

05-GF-113

(6680)



ALLIANT ENERGY.

May 1, 2003

Ms. Lynda L. Dorr
Secretary to the Commission
Public Service Commission of Wisconsin
P.O. Box 7854
Madison, WI 53707-7854

Wisconsin Power and Light Co.
An Alliant Energy Company

Corporate Headquarters
4902 North Biltmore Lane
P.O. Box 77007
Madison, WI 53707-1007

Office: 608.458.3311
www.alliantenergy.com

RE: Compliance with Wis. Adm. Code ch. PSC 113 sections .0604, .0605 and .0607

Dear Ms. Dorr:

On behalf of Wisconsin Power and Light Company I am enclosing documents to comply with the filing requirements for Wis. Adm. Code PSC 113.0604, Annual Report, PSC 113.0605 Initial historic reliability performance report and PSC 113.0607, Appropriate inspection and maintenance.

The attached filing consists of two (2) sections; the first section (100 pages) contains the annual report information (the attached CD is an electronic copy of this 100 page section) and the distribution system inspection and maintenance reports, and the second section is the generation inspection and maintenance report and GADS data.

If you or the Commission staff have questions relating to these reports, please contact me by telephone at (608) 458-5039 or by email at terrynicolai@alliantenergy.com.

Sincerely,

Terry Nicolai
Senior Manager, WI Regulatory Relations

Attachments

Cc: Scot Cullen, Chief Engineer

2003 MAY 14 AM 10:03
COMMUNICATIONS SECTION

MEC
Elec

Wisconsin Power & Light Company

PSCW 113 Sections 0604, 0605, 0607-5&6 Report
April 30, 2003

PSCW 113.0604 2a) Overall Reliability

Wisconsin Power and Light understands how important reliable electric service is to its customers. The company has an excellent track record on reliability and has made significant investments to ensure the high standard of electric reliability is maintained. As this report will show, not only has this excellent record been maintained, it has been improved upon. Improvements in overall reliability, as show in the table below, have improved by between 9.3 and 47.5%.

Storms are a fact of life in the electric power industry. While the WP&L system was not impacted as significantly by major storms in 2002 as it has been in recent years, 5.3 million customer outage minutes were still caused by major storms and constituted approximately 10% of the SAIDI hours. That said, only a portion of the improvement can be attributed to good weather fortune. We believe that the investments we have made in our system and our forestry practices have contributed to the reduction in overall outages caused by both major and minor storms.

In summary, we believe this report shows WP&L's continued dedication to providing reliable service to customers and that the practices and investments the company has made are providing the desired results.

Year 2002			
Zone	SAIFI	SAIDI	CAIDI
Baraboo	1.33	1.70	1.28
Beaver Dam	1.63	2.92	1.79
Beloit *	1.34	2.37	1.76
Dane County	.98	1.24	1.26
Fond du Lac	.75	1.10	1.46
Janesville	1.55	1.88	1.21
Mineral Point	1.16	1.45	1.25
Port Edwards	2.42	6.45	2.66
WPL Total	1.35	2.21	1.64
WPL Total	1.49	4.21	2.83
2001			
WPL Total	1.41	3.26	2.31
2000			
These are calculated using ALL customer outages (including major storms).			

- Note: Beloit also includes South Beloit Gas and Electric hours.
- ATC Transmission contributed 136 outages for a total of 3.22 million customer outage minutes.
- In 2002 major storms accounted for approximately 5.3 million customer outage minutes or roughly 10% of the total SAIDI hours.

PSCW 113.0604 2b) 5% Worst Performing Circuits

Based on the results that WPL used in 2001, we will continue to use the alternative method as described under PSCW 113.0604 2c.

PSCW 113.0604 2c) Alternative Criteria

Frequency and duration will be calculated at the customer level for the 2002 report of 2001 data. This process will identify the cumulative effect of upstream device operations observed by each customer. The process groups customers, based on outage frequency and outage duration minutes, at the circuit level. The example in the table below demonstrates the methodology on customer interruptions. For DADE909 a total of 116 customers experienced four outages in 2001. This places the 116 customers in the four-interruption group. The process then takes the number of customers in the group and multiplies it by the group value. Therefore, the 116 customers with four interruptions will contribute 464 points to circuit DADE909. After the points are calculated for each group, they are summed to get the total interruption points. For customers that experienced two or less outages, the group value is zero (to prevent circuits with large customer counts and low outage frequency from influencing the analysis). A similar process is followed with cumulative outage duration minutes to get the total duration points for each circuit. The two point values are then added together to calculate total performance points. Circuits are ranked on total performance points. The data used in this analysis excluded major storms and customer equipment failures.

Interruption Performance Ranking Analysis Example							
Ckt ID	Customers With 1 int.	Customers With 2 int.	Customers With 3 int.	Customers With 4 int.	Customers With 5 int.	Customers With 6 int.	Int. Points
Group Value	0	0	3	4	5	6	
DADE909	82	17	2	116	80	3	
DADE909 points	$82 \times 0 = 0$	$17 \times 0 = 0$	$2 \times 3 = 6$	$116 \times 4 = 464$	$80 \times 5 = 400$	$3 \times 6 = 18$	888
NBDF756	186	54	153	0	0	0	
NBDF756 points	$186 \times 0 = 0$	$54 \times 0 = 0$	$153 \times 3 = 459$				459

5% Worst Performing Circuits						
Zone	Circuit ID	Sub		Zone	Circuit ID	Sub
Beloit	WALM821	WAL		Janesville	TRAN637	TRA
Beloit	BOLM866	BOL		Port Edwards	KESD1922	KES
Port Edwards	SARA723	SAR		Beaver Dam	PLDD752	PLD
Beaver Dam	WAUD720	WAU		Beloit	KATM1437	KAT
Beaver Dam	SILD6462	SIL		Port Edwards	BEPD1903	BEP
Janesville	MONN2043	MON		Mineral Point	BLOK270	BLO
Port Edwards	PLRD1229	PLR		Port Edwards	SHOD1535	SHO
Beaver Dam	MOOE594	MOO		Port Edwards	ARND2108	ARN
Janesville	ALBN4233	ALB		Beaver Dam	MOOE741	MOO
Beloit	KATM433	KAT		Baraboo	KILX40	KIL
Fond du Lac	NFLP411	NFL		Dane County	VERN2862	VER
Baraboo	LHMB783	LHM		Beaver Dam	HAND570	HAN
Beaver Dam	FOVD356	FOV		Port Edwards	AUBA443	AUB
Beloit	WIBM2558	WIB		Port Edwards	ROZA1331	ROZ
Beloit	DELM1516	DEL		Beloit	NLGM1243	NLGM
Baraboo	COCA1990	COC		Janesville	SCKN678	SCK
Beloit	WIBM2557	WIB		Beloit	LAGM711	LAG
Port Edwards	KESD1923	KES		Beaver Dam	RDRE1404	RDR
Port Edwards	AMJD1628	AMJ		Beloit	ZENM1240	ZEN
Janesville	JANN352	JAN		Fond du Lac	RRDP1605	RRD

<u>Circuit ID</u>	<u>COCA1990</u>		
<u>Distribution Engineer</u>	Jerry Batson	<u>SAIDI</u>	225.56
<u>Zone</u>	Baraboo	<u>SAIFI</u>	4.70
<u>Customer Count</u>	1543	<u>CAIDI</u>	47.99

Root Cause

There were four outages on the substation recloser that accounted for the majority of performance problems. A switch failure on the substation getaway resulted in having the substation recloser reported as being out twice. Lightning caused another outage during a storm. The cause of the fourth outage is unknown.

Solution/Action

Justification for No Action

The switch was replaced and the remaining two switches on the riser were checked. No additional action is required.

Proposed Projects

Proposed Project Year

Circuit ID**LHMB783**

<u>Distribution Engineer</u>	Jon Pernsteiner	<u>SAIDI</u>	422.70
<u>Zone</u>	Baraboo	<u>SAIFI</u>	5.92
<u>Customer Count</u>	1018	<u>CAIDI</u>	71.41

Root Cause

The substation recloser locked out four times causing the majority of performance problems. One time, high winds blew over a 40' pine tree resulting in a lockout. A customer owned tree, trimmed during 2002, shed branches on the main three-phase feeder resulting in two additional lockouts. A substation disconnect was damaged by lightning and failed resulting in the fourth lockout.

Solution/Action

The 40' pine has been removed and the operations manager is working with the customer to secure more aggressive line clearance. In addition, the substation disconnect switch has been repaired.

Justification for No Action**Proposed Projects****Proposed Project Year**

<u>Circuit ID</u>	<u>KILX40</u>		
<u>Distribution Engineer</u>	Jon Pernsteiner	<u>SAIDI</u>	375.14
<u>Zone</u>	Baraboo	<u>SAIFI</u>	3.22
<u>Customer Count</u>	946	<u>CAIDI</u>	116.66

Root Cause

This is a long rural radial circuit. Three lightning outages, four tree-growth related outages and one jumper failure accounted for the majority of the outage minutes for this circuit.

Solution/Action

Justification for No Action

Additional arresters were added to a more exposed section of line in 2002. This circuit was trimmed during 2002.

Proposed Projects

Proposed Project Year

Circuit ID **HAND570**

<u>Distribution Engineer</u>	Al Damyen	<u>SAIDI</u>	1099.94
<u>Zone</u>	Beaver Dam	<u>SAIFI</u>	2.36
<u>Customer Count</u>	572	<u>CAIDI</u>	465.36

Root Cause

Two three-phase line taps from Switch D582-S and D336-S, total approximately 17.3 miles in length. Each tap has multiple fused taps. These lines were constructed primarily in 1968 with some poles dating back to 1936. These lines are located in flat, wide-open country, thus making them susceptible to lightning strikes. There are also concerns with some sections of four-wire flat construction and difference phase and neutral conductor sizes. This can cause some conductor conflict during inclement weather.

Switch D399-S feeds a section of three-phase line, approximately 8 miles in length, which ties with a feeder out of the Plainfield Substation. Approximately 6.5 miles of the line is underbuilt on a 69 KV transmission line and is susceptible to lightning strikes. There are two other sections of line that are not underbuilt on this tap. Both of these sections of line were constructed in 1950 with a diamond configuration with the primary neutral in the up position. These two sections of line are among trees, so tree contacts and wildlife outages are occurring.

Solution/Action

Switch D582-S and D336-S: install lightning arrestors and replace the old pole structures on the three phase sections of this line. Lower the primary neutral wire on approximately two miles of line.

Switch D399-S: install lightning arrestors on the underbuild portion of the line and rebuild the diamond configuration.

Justification for No Action

Proposed Projects

Proposed Project Year

INSTALL LIGHTNING ARRESTORS	2004
REBUILD DROP NEUT. 2MI 3PH OH	2004
REBUILD 1.6MI 3PH OH	2005
REBUILD 2.0MI 3PH OH	2005

Circuit ID**WAUD720****Distribution Engineer**

Al Damyen

SAIDI

450.79

Zone

Beaver Dam

SAIFI

3.43

Customer Count

788

CAIDI

131.47

Root Cause

Switch D720-S is the substation recloser and feeds approximately 2.0 miles of main feeder stem. The line was originally built in the 1930's resulting in equipment failures and flash-overs. There are also sections of this line where tree contacts are a concern.

Fused switch D613-65T feeds a six-mile section of three-phase 12.47 KV line. There are fuse single-phase lines from this three-phase line. The line was originally built in the 1950's resulting in equipment failures and flash-overs. Because of a couple of long span lengths, conductor conflict is suspect with wind and inclement weather.

Switch D5208-S is a recloser that is located on the northwest side of the City of Wautoma. This recloser is used to sectionalize the rural area from the Wautoma urban area. This section of three-phase main feeder stem is approximately 3.0 miles in length of diamond configuration. The line was originally built in 1948 resulting in equipment failures and flash-overs. Because of the diamond configuration, conductor conflict is a problem during high winds and inclement weather. There are also sections of this line where tree contacts are a concern.

Solution/Action

At present, sections of main feeder stem on D720-S are being rebuilt. The project should be completed by April 01, 2003.

For fused switch D613-65T, the solution is to replace the 65T fuse with a recloser. This will give the temporary faults a chance to clear before blowing fuses and the recloser going to lock-out. In addition, the line will be rebuilt.

For recloser D5208-S the existing three-phase line will be rebuilt.

Justification for No Action**Proposed Projects****Proposed Project Year**

CAMBRIDGE ST. RBLD 0.6MI 3PH OH

2004

CTH "C" RBLD 3.0MI 3PH OH

2005

<u>Circuit ID</u>	<u>PLDD752</u>		
<u>Distribution Engineer</u>	Al Damyen	<u>SAIDI</u>	417.51
<u>Zone</u>	Beaver Dam	<u>SAIFI</u>	4.38
<u>Customer Count</u>	501	<u>CAIDI</u>	95.38

Root Cause

Switch D186-S feeds approximately 3.0 circuit-miles of single-phase line constructed in 1949 with 8A CW and the majority of the line has the primary neutral in the up position. There are some long span lengths over 300 feet that may be causing conductor conflict during inclement weather. This line feeds around Long Lake and is constructed among many trees so tree contacts and wildlife are a concern.

Switch D333-40T is located in the Village of Almond and feeds 0.7 miles of single-phase line that was built around 1946 and many of the poles have been replaced. There are still some old poles that are deteriorating and have bad pole tops. The line is constructed among trees, so tree contacts and wildlife are concerns. The line is also susceptible to lightning strikes.

Switch D536-12T is located 1.5 miles northwest of the Village of Almond and feeds 3.8 miles of single phase that was constructed in 1948. The majority of the line has the primary neutral in the up position. The line is deteriorating, resulting in premature flash-overs making it susceptible to lightning strikes. There are some sections of line where tree contacts are a concern.

Solution/Action

For switch D186-S the solution is to rebuild this single-phase line.

For switch D333-40T the short-term solution is to replace fuse D333 with a recloser. The long-term solution is to rebuild the line.

For switch D536-12T the short-term solution is to replace fuse D536 with a recloser. The long-term solution is to rebuild the line.

Justification for No Action

<u>Proposed Projects</u>	<u>Proposed Project Year</u>
LONG LAKE RBLD 3.0MI 1PH	2004
ELM ST. RBLD 0.7MI 1PH OH	2005
3rd ST RBLD 2.0MI 1PH OH	2004

Circuit ID**RDRE1404****Distribution Engineer**

Al Damyen

SAIDI

281.82

Zone

Beaver Dam

SAIFI

3.19

Customer Count

987

CAIDI

88.30

Root Cause

Fused switch E1456-65T feeds a single-phase tap line which is approximately 1.6 miles in length and was constructed in 1953. There are long span lengths causing conductor conflict in inclement weather. The primary neutral is in the up position on the last third of the line. The line is situated on relatively high ground which is suspect to lightning.

Switch E405-S is a recloser that feeds a three-phase section of 12.47 KV line that is approximately 3.3 miles in length and has single and three phase tap lines emanating from it. This section of line is less than ten years old. Lightning and tree contacts are root causes for its performance. The addition of a sectionalizing device on Swanson Rd. will help mitigate customer-outage-minutes.

Fused switch E119-25T feeds a single-phase tap that is composed of 8A CW conductor. The root causes are tree contacts, lightning and wildlife. This section of line is constructed among very heavily populated trees.

Solution/Action

For fused switch E1456-65T the solution is to rebuild this single-phase tap line.

For recloser E405-S the solution is to install lightning arrestors on the north half of this line section. Tree trimming is scheduled for the Green Lake Area for the first half of 2003 including feeder, E1404-S. An additional sectionalizing device, recloser, will be installed on Swanson Road.

For fused switch E119-25T the solution is to construct a new line with underground

Justification for No Action**Proposed Projects****Proposed Project Year**

STH 73 & CTH T RBLD 1.6MI 1PH OH

2003

Install lightning protection & re-coordinate part of E1404-S

2003

Pleasant Run Rd REBD 0.2MI 1PH UG

2003

<u>Circuit ID</u>	<u>FOVD356</u>		
<u>Distribution Engineer</u>	Al Damyen	<u>SAIDI</u>	711.68
<u>Zone</u>	Beaver Dam	<u>SAIFI</u>	5.15
<u>Customer Count</u>	954	<u>CAIDI</u>	138.19

Root Cause

Switch D437-S is a recloser on the main feeder stem that is located on the southwest side of the Village of Poy Sippi originally built in the 1930's and 1940's constructed in the four wire flat configuration. Because of the age of the line it has deteriorated, resulting in equipment failures and flash-overs and because of the close proximity of the conductors, conductor conflict is a problem during high winds and inclement weather. There are also sections of this line where tree contacts have been a problem.

Switch D299-S is a recloser that is located on the southwest side of the Village of Pine River. The line feeding from D299-S is approximately 40 years old two-phase and neutral line approximately 4.5 miles in length. Because of the long span lengths and the fact that the north-south section of line has two different wire sizes, conductor conflict is a problem during high winds and inclement weather.

Fused switch D890-20T feeds a single-phase tap line that is approximately 3.0 miles in length built in 1949 and 1956. The line starts at D890-20T and goes to the west for one mile. The line then taps north and south in both directions for approximately one mile each with the primary neutral is in the up position. There are long span lengths causing conductor conflict in inclement weather.

Solution/Action

For recloser D437-S the solution is to rebuild the existing three-phase.

For recloser D299-S the solution for the east-west section of line along CTH "H", which is approximately 2.0 miles of three phase line, approximately 0.75 miles will need to be built new.

For the remainder of the line, a third phase conductor will be installed converting it to a full three-phase, four wire line. For the 2.4 miles of line that runs north-south along CTH "W" & "H", the long term solution is to rebuild the existing three phase line.

Justification for No Action

<u>Proposed Projects</u>	<u>Proposed Project Year</u>
CTH "H" RBLD 2.5MI 3PH OH PART 1 & PART 2	2004
CTH "H" RBLD & ADD PHASE WIRE 2.0MI 3PH OH	2004
CTH "W" & CTH "H" RBLD 2.4MI 3PH OH	2004
26th Lane & Beechnut Lane RBLD 2.0MI 1PH	2004

Circuit ID**MOOE741****Distribution Engineer**

Al Damyen

SAIDI

505.20

Zone

Beaver Dam

SAIFI

3.63

Customer Count

815

CAIDI

139.24

Root Cause

Switch E696-S is a recloser and is located on the main feeder stem just south of the City of Montello on STH "22". Feeder E741-S from the Montello Substation was on the 5% Worst Feeder List in 2002. A budget project has been approved to rebuild a new 477 ACSR, three-phase line. This section of new main feeder stem is approximately 8.0 circuit-miles and encompasses the line fed from recloser E696-S.

E854-15T feeds a short, single-phase, overhead, 7.2KV line built in 1951 that is in poor physical condition. In some spans, the line has a shared/common primary and secondary neutral with open secondary wires. There are existing four-foot cross-arms on some of the poles. Because of the close conductor spacing due to the four-foot x-arms, conductor conflict is suspect with wind and inclement weather.

E160-80T feeds a relatively short, single-phase, line approximately 1.5 circuit-miles in length. The existing line is constructed among many trees. Some of the span lengths are long and may pose a concern with conductor conflict during inclement weather.

Solution/Action

For switch E854-15T the solution is to construct a new line overhead.

For switch E160-80T the short-term solution is to schedule the line for tree trimming. The long-term solution is to rebuild approximately 0.5 mile of line new.

Justification for No Action**Proposed Projects**

OAK & PINE ST. REBL 0.7MI 1PH OH

CTH "F" RBLD 0.7MI 1PH OH

Proposed Project Year

2004

2005

Circuit ID**SILD6462****Distribution Engineer****SAIDI**

374.07

Zone

Beaver Dam

SAIFI

3.37

Customer Count

1397

CAIDI

111.02

Root Cause

Switch D282-S feeds a relatively long single-phase line with fused taps. This recloser feeds approximately 14.8 miles of line that was built in the 1948. The line is in poor physical condition and some sections of line are constructed with 3ft. Cross-arms with the majority of the construction having the primary neutral in the up position. There are long spans where conductor conflict is suspect with wind and inclement weather.

Switch D6462-S is the substation recloser and feeds the main feeder stem. The length of the main feeder stem from the substation, before sectionalizing devices are encountered, is approximately 5.5 miles in length. It was rebuilt in 1983 and is in good physical condition. The root cause appears to be lightning strikes.

Switch D281-S feeds a relatively long single-phase line with fused taps. This recloser feeds approximately 13.2 line miles that was built in the 1940's with the majority constructed with the primary neutral in the up position. There are long span lengths where conductor conflict is suspect with wind and inclement weather. Based on the location of the line, tree contacts and wildlife are concerns.

Solution/Action

For recloser D282-S the solution is to rebuild the line.

For recloser D6462-S the solution is to install lightning/surge protection to the existing three-phase main feeder stem meeting the present day standard for overvoltage protection.

For recloser D281-S the solution is to rebuild the line.

Justification for No Action**Proposed Projects****Proposed Project Year**

CTH 73 INSTALL ARRESTORS 6MI 3PH OH

2003

W. PEARL ST. RBLD 4.8MI 1PH

2004

CZECH AVE RBLD 1PH-TO-3PH 2MI PART 1

2004

CZECH AVE RBLD 2.8MI 1PH PART 2

<u>Circuit ID</u>	<u>MOOE594</u>		
<u>Distribution Engineer</u>	Al Damyen	<u>SAIDI</u>	440.58
<u>Zone</u>	Beaver Dam	<u>SAIFI</u>	3.20
<u>Customer Count</u>	1019	<u>CAIDI</u>	137.80

Root Cause

The existing line feed from E594-S is deficient of lightning protection.

Switch E967-S is a recloser that is located on the west side of the City of Montello. This switch sectionalizes a rural six-mile line. Because of the age of the line and its condition, equipment failures and flash-overs have occurred. Because of the close conductor spacing due to the diamond configuration, conductor conflict is suspect with wind and inclement weather.

Switch E14-25T feeds a .25 mile section of overhead line built in 1964 that is in relatively poor condition. The line is also built among and in close proximity of trees, resulting in tree contacts and wildlife outages.

Solution/Action

For recloser E594-S lightning/surge protection will be installed on the first two segments of the main feeder stem from the substation.

For switch E6967-S, the short-term solution is to install another sectionalizing device, recloser, to further sectionalize the rural area. The long-term solution is to rebuild the existing three-phase line.

For switch E14-25T, the solution is to rebuild the line.

Justification for No Action

<u>Proposed Projects</u>	<u>Proposed Project Year</u>
PARK ST. INSTALL ARRESTORS 3PH OH	2004
STH 23 & 13th AVE RBLD 1.3MI 3PH OH	2005
LAKESHORE DR. 1PH 0.3MI UG	2004

Circuit ID **ZENM1240**

<u>Distribution Engineer</u>	Kevin Kueng	<u>SAIDI</u>	373.97
<u>Zone</u>	Beloit	<u>SAIFI</u>	1.77
<u>Customer Count</u>	1462	<u>CAIDI</u>	211.64

Root Cause

There were four days of major storms/high winds: 3/9/02, 6/3/02, 8/21/02, 9/19/02 totaling 206,380 customer outage minutes out of the recorded 219,592 storm/wind related customer outage minutes. Multiple lines were down on these dates, which greatly affected outage response times.

Main drivers of the outage minutes were reported incorrectly ;116,365 customer outage minutes, tree outages (which will be corrected with this year's cycle trimming), and four dates with major storms. Two underground cable failures resulted due to deteriorated equipment.

Solution/Action

Circuit ZENM1240 is scheduled for cycle trimming in March 2003. Two projects have been identified to replace the 1973 vintage underground primary cable: Abby Springs Cable Replacement 0.4 MI 1PH, and 1200 North Shore Cable Replacement 300 ft 1PH.

Justification for No Action

Proposed Projects

Abby Springs Cable Replacement 0.4 MI 1PH
1200 North Shore Cable Replacement 300 ft 1PH

Proposed Project Year

2004
2004

<u>Circuit ID</u>	<u>LAGM711</u>		
<u>Distribution Engineer</u>	Kevin Kueng	<u>SAIDI</u>	248.45
<u>Zone</u>	Beloit	<u>SAIFI</u>	1.42
<u>Customer Count</u>	1062	<u>CAIDI</u>	174.65

Root Cause

Equipment related outages were the main driver of the outages and mainly focused in four general areas.

The first area of concern includes the three vintage underground cable failures on Clubhouse Dr. installed in the 1970's.

The second area associated with equipment failures will be resolved with the implementation of the "Ivanhoe Subdivision RBLD 2.2 MI 1PH" project. This line is 61 years old.

The third area along South Rd also experienced equipment related outages.

The fourth area of equipment related outages is North Bloomfield where aging single and three-phase 8A CW has deteriorated.

Solution/Action

Clubhouse Dr RBLD 1.1 MI 3PH will eliminate cable failure outages.

Complete the implementation of the "Ivanhoe Subdivision RBLD 2.2 MI 1PH" project

South Rd RBLD 1.2 MI 1&3PH that will address 1.2 miles of aging underground cable and 2.2 miles of aging 8A Copperweld.

North Bloomfield Rd RBLD 1.6MI 1&3PH that will replace 0.7 miles, and 0.85 miles of three phase 8ACW.

Justification for No Action

Proposed Projects

Proposed Project Year

Clubhouse Dr RBLD 1.1 MI 3PH	2004
Ivanhoe Subdivision RBLD 2.2 MI 1PH	2003
South Rd RBLD 3.4 MI 1&3PH	2004
North Bloomfield Rd RBLD 1.6MI 1&3PH	

Circuit ID **NLGM1243**

<u>Distribution Engineer</u>	Kevin Kueng	<u>SAIDI</u>	417.71
<u>Zone</u>	Beloit	<u>SAIFI</u>	3.90
<u>Customer Count</u>	750	<u>CAIDI</u>	107.08

Root Cause

The lightning related outages on 6/3/02 were the main driver of outage minutes, both in frequency and duration, due to a storm. There were multiple outages during this time, which greatly affected the response time for these outages. The outages on 6/3/02 for NLGM1243 circuit accounted for 67% of the outage minutes for the year. The equipment related outages were mainly due to the two underground cable failures. Both failures were in the same area of aging underground cable.

Solution/Action

Wildwood Dr RBLD 3.2 MI 1PH will eliminate the 1960/1970's vintage cable associated with the cable failure outages.

Justification for No Action

Proposed Projects

Wildwood Dr RBLD 3.2 MI 1PH

Proposed Project Year

2004

Circuit ID**BOLM866****Distribution Engineer**

Kevin Kueng

SAIDI

378.01

Zone

Beloit

SAIFI

8.27

Customer Count

2247

CAIDI

45.68

Root Cause

The two major problems were due to the contractor induced outages and the recloser overload outage during construction for the Delavan Wal-Mart. A phase-to-neutral conflict was eliminated when the overhead line was relocated to underground as part of the Delavan Wal-Mart project. Also, the recloser with the overload condition has been corrected with the system back to normal configuration after the completion of the Delavan Wal-Mart construction.

Lightning related outages accounted for 18.6% of the total system performance with four single transformer fuse outages and five tap fuse outages totaling 72,896 customer outage minutes.

Four substation reclose outages were due to a contractor removing our guy wires while installing a sewer pipe.

Solution/Action

Both conditions have been remedied.**Justification for No Action**

The Delavan Wal-Mart project has resolved the performance issues.

Proposed Projects**Proposed Project Year**

Circuit ID **WALM821**

Distribution Engineer Kevin Kueng **SAIDI** 255.44

Zone Beloit **SAIFI** 3.48

Customer Count 1550 **CAIDI** 73.34

Root Cause

Main drivers of the outage minutes for WALM821 were the five storm dates and equipment related outage minutes. There was one key equipment outage totaling 80% out of the equipment outage minutes associated with downed #4 copper primary conductor installed in 1955.

Solution/Action

Rebuild 2.0 miles of #2, 4, and 6 copper, 6A and 8A Copperweld conductor installed in 1954-55.

Justification for No Action

Proposed Projects

Brinkley Road Rebuild 2.0 MI 1PH

Proposed Project Year

2004

<u>Circuit ID</u>	<u>WIBM2558</u>		
<u>Distribution Engineer</u>	Kevin Kueng	<u>SAIDI</u>	747.39
<u>Zone</u>	Beloit	<u>SAIFI</u>	2.33
<u>Customer Count</u>	1316	<u>CAIDI</u>	320.59

Root Cause

This feeder was plagued with connectivity errors. Reported customer outage minutes totaled 983,783. Total actual customer outage minutes equaled 49,535. Errors included:

1. Single transformer failure for two customers was reported as a recloser outage for 954 customers. Connectivity corrections were forwarded to mapping department.
2. Storm on 8/21/2002 - three tap fuses totaling 97 customers was reported as a recloser outage for 939 customers. Connectivity was corrected.
3. Recloser M114 was in mapping system as disconnect, so outage was recorded to the upstream recloser M108. Corrections were made to connectivity and information was forwarded to mapping department.
4. Fuse device M773, 77 customers were missing in the mapping system, which then reported outage as an upstream recloser for 939 customers. Corrections were sent to the mapping department.

Solution/Action

Justification for No Action

No action because root cause was outage reporting errors.

Proposed Projects

Proposed Project Year

<u>Circuit ID</u>	<u>DELM1516</u>		
<u>Distribution Engineer</u>	Kevin Kueng	<u>SAIDI</u>	127.48
<u>Zone</u>	Beloit	<u>SAIFI</u>	1.34
<u>Customer Count</u>	1608	<u>CAIDI</u>	95.12

Root Cause

Lightning, trees and equipment were the major causes of outages. There were 21 tree and wind related outages totaling 45,173 customer outage minutes. In addition, outage problems occurred in the Channel Dr. area due to the condition and location of the line.

Solution/Action

Rebuild the Channel Dr area.

Justification for No Action

Circuit M1516 was trimmed in 2002.

Proposed Projects

Channel Dr RBLD 2.5 MI 1PH

Proposed Project Year

2005

Circuit ID**KATM1437****Distribution Engineer**

Kevin Kueng

SAIDI

144.97

Zone

Beloit

SAIFI

3.12

Customer Count

721

CAIDI

46.40

Root Cause

In 2002, the substation recloser opened once due to lightning along with two outages on a mainline recloser: once from an overload that took place under a contingency switching configuration and the other due to equipment failure. These outages resulted in over 590 customers seeing at least 3 outages last year.

Solution/Action**Justification for No Action**

Because the performance was due to the outages above and no other root cause performance issues exist, no action will be taken.

Proposed Projects**Proposed Project Year**

Circuit ID**WIBM2557****Distribution Engineer**

Kevin Kueng

SAIDI

429.15

Zone

Beloit

SAIFI

3.64

Customer Count

1847

CAIDI

117.86

Root Cause

There were two major unknown outages that involved the substation recloser, 92% out of the unknown outage minutes. One outage occurred on 9/8/02 with the second on 9/18/02. The line was patrolled after each outage and both outage causes pointed to an oak tree in the primary. After discussions with the tree owner, Alliant received permission to cut the tree down in October 2002. We have not experienced an unknown sub recloser outage since the tree was removed.

Solution/Action**Justification for No Action**

Remaining outage minutes do not indicate any root causes.

Proposed Projects**Proposed Project Year**

Circuit ID **KATM433**

Distribution Engineer Kevin Kueng **SAIDI** 572.13

Zone Beloit **SAIFI** 2.52

Customer Count 1408 **CAIDI** 262.60

Root Cause

Tree and wind related outages represented 37.1% of the total outage minutes on the feeder.

Solution/Action

Tree trimming is scheduled for 2004.

Justification for No Action

Proposed Projects

Tree trimming

Proposed Project Year

2004

Circuit ID **VERN2862**

Distribution Engineer Jerry Batson **SAIDI** 358.37

Zone Dane County **SAIFI** 3.44

Customer Count 0 **CAIDI** 104.15

Root Cause

There were three lockouts on the substation recloser that accounted for the majority of the performance problems. Two outages were caused by conductor failures on the distribution line. The third outage was caused by a broken crossarm during a lightning storm.

Solution/Action

The Verona, Brooklyn, and Belleville areas will be studied in 2003. The study will develop ten-year substation/distribution improvement plans for the area. The condition of the main lines will be assessed in the study to look for improvement opportunities.

Justification for No Action

Proposed Projects

Belleville, Brooklyn, Verona Study

Proposed Project Year

2003

Circuit ID**RRDP1605****Distribution Engineer**

Steve Weston

SAIDI

50.17

Zone

Fond du Lac

SAIFI

1.16

Customer Count

1462

CAIDI

43.27

Root Cause

The main outage on this feeder was caused by a contractor driving under the line with the bucket on a dump truck in the up position. The truck tore down the conductors and required three hours to repair. 98% of the customers were back in service in 30 minutes due to crews isolating the damaged line section.

Solution/Action**Justification for No Action**

No action needed due to outage caused by contractor.

Proposed Projects**Proposed Project Year**

<u>Circuit ID</u>	<u>NFLP411</u>		
<u>Distribution Engineer</u>	Steve Weston	<u>SAIDI</u>	241.47
<u>Zone</u>	Fond du Lac	<u>SAIFI</u>	1.42
<u>Customer Count</u>	2135	<u>CAIDI</u>	169.63

Root Cause

This circuit ranked high because of a reporting error. The entire circuit was reported out for 221 minutes, when in reality the outage was for only 92 minutes. This outage was caused by a pole fire during a lightning storm.

Solution/Action

Justification for No Action

None needed due to a reporting error.

Proposed Projects

Proposed Project Year

Circuit ID**ALBN4233****Distribution Engineer**

Pat Runde

SAIDI

279.96

Zone

Janesville

SAIFI

4.87

Customer Count

979

CAIDI

57.53

Root Cause

This circuit feeds north to Albany and then into the rurals, serving approximately a 50 sq mile area. It has two main-line three-phase reclosers that sectionalize the village of Albany and have attributed to most of the outages. There were two outages associated with connectivity errors involving a missing fuse that has been corrected (N1770). The remaining large outages were caused by extremely severe lightning storms on 8/12 and 8/22. According to the National Lightning Detection Network (NLDN), this circuit experienced 344 lightning strikes on 8/12 and 720 on 8/22.

Solution/Action

Tap N1770 will be scoped this spring for a conversion from overhead to underground because of the outages, trees and curves in the road. The north side rural three-phase line along Brooklyn-Albany Rd. has red tag poles and has been scoped for a rebuild. The remaining circuit is in good condition.

Justification for No Action**Proposed Projects**

Brooklyn-Albany Rd 3mi 3ph Overhead

Sugar River Parkway-Albany

Proposed Project Year

2004

2004

<u>Circuit ID</u>	<u>TRAN637</u>		
<u>Distribution Engineer</u>	Pat Runde	<u>SAIDI</u>	144.38
<u>Zone</u>	Janesville	<u>SAIFI</u>	1.98
<u>Customer Count</u>	1160	<u>CAIDI</u>	72.95

Root Cause

This circuit was split into two circuits out of Traxler sub in May 2002 with a new circuit addition at Traxler, (i.e. N637 and N4095). The rebuild was completed, but the outage management system was not updated to accurately report some of the outages that occurred. As a result, the outages on both circuits were put on circuit N637.

Solution/Action

Justification for No Action

No action needed due to a system connectivity errors.

Proposed Projects

Proposed Project Year

<u>Circuit ID</u>	<u>JANN352</u>		
<u>Distribution Engineer</u>	Pat Runde	<u>SAIDI</u>	234.58
<u>Zone</u>	Janesville	<u>SAIFI</u>	4.68
<u>Customer Count</u>	1304	<u>CAIDI</u>	50.08

Root Cause

There were four circuit outages that attributed to the poor performance of this circuit. One was from a car vs pole and another from wildlife that actually took a tap fuse out. The tap fuse (N1370) was mapped in the wrong location and made it look like the entire circuit was out, when only 31 customers were affected. According to our circuit metering data, the entire circuit was not out for both of these situations. The third outage on 8/12 was due to a lightning storm that took the 12kV bus out at Janesville General because of incorrect relay settings. Circuit N1234 should have been the only circuit outage. The fourth outage on 8/21 was a severe lightning storm that took out the circuit.

Solution/Action

Justification for No Action

This circuit is in relatively good condition and lightning and wildlife protection was added in 1999, along with tree trimming completed in 2002. Connectivity correction for fuse N1370 and the relay settings were corrected immediately.

Proposed Projects

Proposed Project Year

Circuit ID **MONN2043**

Distribution Engineer Pat Runde **SAIDI** 232.76

Zone Janesville **SAIFI** 4.65

Customer Count 1240 **CAIDI** 50.03

Root Cause

This circuit is in good condition and feeds east out of Monroe Central to several commercial facilities. It was trimmed in 1999 and is planned for 2004. On 4/18 a single transformer failed and tap fuse N1499 blew, which made it look like the circuit was out. On 7/27 a tree fell into line and on 9/2 there was lightning storm in the area, which also took out the circuit. On 7/21 a squirrel took out the circuit.

Solution/Action

Justification for No Action

No work is planned on this line since it had good performance in the past and there have not been any customer and/or linemen complaints.

Proposed Projects

Proposed Project Year

<u>Circuit ID</u>	<u>SCKN678</u>		
<u>Distribution Engineer</u>	Pat Runde	<u>SAIDI</u>	133.36
<u>Zone</u>	Janesville	<u>SAIFI</u>	2.17
<u>Customer Count</u>	856	<u>CAIDI</u>	61.33

Root Cause

There were three circuit outages listed in OMS that attributed to the poor performance. However, according to circuit metering, the sub recloser never locked out. On 7/28 fuse N7004, feeding nine customers, was out instead of the circuit because of connectivity errors. On 8/1 a jumper failed and did not take out the circuit, only 59 customers. On 8/4 two individual transformer outages, feeding 15 customers, caused the system to think the entire circuit was out.

Solution/Action

Justification for No Action

This circuit is in good condition. The connectivity errors above have been corrected in the database.

Proposed Projects

Proposed Project Year

<u>Circuit ID</u>	<u>BLOK270</u>		
<u>Distribution Engineer</u>	Barry Bauman	<u>SAIDI</u>	299.88
<u>Zone</u>	Mineral Point	<u>SAIFI</u>	3.08
<u>Customer Count</u>	826	<u>CAIDI</u>	97.28

Root Cause

This circuit feeds the community of Bagley, with approximately 600 customers, from the Bloomington Substation located about nine miles away. The distribution line along CTH A feeding Bagley is in poor mechanical condition and is planned to be rebuilt.

Solution/Action

Rebuild the lines feeding Bagley.

Justification for No Action

Proposed Projects

HN-CTH A to Bagley RBLD

Proposed Project Year

2003

<u>Circuit ID</u>	<u>ROZA1331</u>		
<u>Distribution Engineer</u>	Mike Warntjes	<u>SAIDI</u>	543.89
<u>Zone</u>	Port Edwards	<u>SAIFI</u>	2.52
<u>Customer Count</u>	867	<u>CAIDI</u>	215.91

Root Cause

There are several taps (A1491, A410, A1482, A408, A592) that have had multiple outages over the last several years.

Solution/Action

A project is being planned to rebuild A408 (out six times in last three years) and A592 (three times in three years). Taps A1491, A410, A1482 have recently been rebuilt. Also, additional reclosers will be installed on A372 tap and A374 tap to improve sectionalizing capability. This circuit is also scheduled for line clearance in 2003.

Justification for No Action

Proposed Projects

ROZA1331 CTH C 3.8 MI RBLD

Proposed Project Year

2005

Circuit ID**PLRD1229****Distribution Engineer**

Mike Warntjes

SAIDI

503.44

Zone

Port Edwards

SAIFI

3.20

Customer Count

940

CAIDI

157.25

Root Cause

There were several other large ice/wind storms that affected large areas, resulting in some long outage durations. One tap on this, circuit (D1742) experienced four recloser lockouts in 2002, ten in the past five years. The main cause of outages on this tap is trees falling into the line from either ice/heavy snow or high winds.

Solution/Action

Rebuild tap D1742.

Justification for No Action**Proposed Projects**

STH 55 PLR D1742-S 1PH 4.7 MI RBLD

Proposed Project Year

2005

<u>Circuit ID</u>	<u>AUBA443</u>		
<u>Distribution Engineer</u>	Mike Warntjes	<u>SAIDI</u>	137.30
<u>Zone</u>	Port Edwards	<u>SAIFI</u>	3.53
<u>Customer Count</u>	853	<u>CAIDI</u>	38.91

Root Cause

This circuit is on the poor performers list because of multiple outages being reported for the same event. In addition, the substation recloser outages resulted by damage to the system by other parties.

Solution/Action

Justification for No Action

Reporting errors and outages due to others placed this feeder on the list.

Proposed Projects

Proposed Project Year

<u>Circuit ID</u>	<u>SARA723</u>		
<u>Distribution Engineer</u>	Mike Warntjes	<u>SAIDI</u>	345.20
<u>Zone</u>	Port Edwards	<u>SAIFI</u>	3.23
<u>Customer Count</u>	1237	<u>CAIDI</u>	106.91

Root Cause

The main cause of elevated outage indices on this circuit was two storms, both included heavy wet snow which caused trees to fall into lines. Fuse A524 also experienced four outages in 2002 with unrelated causes.

Solution/Action

Fuse on tap A524 will be replaced with a recloser.

Justification for No Action

Proposed Projects

Replace A524 with a recloser

Proposed Project Year

2003

Circuit ID**SHOD1535****Distribution Engineer**

Mike Warntjes

SAIDI

413.48

Zone

Port Edwards

SAIFI

2.07

Customer Count

758

CAIDI

199.63

Root Cause

The system experienced two major storms and several other large ice/wind storms that affected large areas, resulting in long outage durations.

Solution/Action

The circuit is planned for line clearance in 2003 along with the addition of reclosers to improve sectionalizing on the system. These projects will improve system performance during storm conditions.

Justification for No Action**Proposed Projects**

Add reclosers on three phase tap

Line Clearance

Proposed Project Year

2003

2003

<u>Circuit ID</u>	<u>BEPD1903</u>		
<u>Distribution Engineer</u>	Mike Warntjes	<u>SAIDI</u>	242.12
<u>Zone</u>	Port Edwards	<u>SAIFI</u>	2.95
<u>Customer Count</u>	1265	<u>CAIDI</u>	82.10

Root Cause

The system experienced two major storms and several other large ice/wind storms that affected large areas, resulting in long outage durations. Equipment failures on the system were due to transmission equipment and some switches on a recloser assembly; both of which have all been replaced.

Solution/Action

Justification for No Action

Because equipment has been replaced and the other major driver was storm related no action is required.

Proposed Projects

Proposed Project Year

Circuit ID**KESD1922****Distribution Engineer**

Mike Warntjes

SAIDI

357.52

Zone

Port Edwards

SAIFI

3.96

Customer Count

525

CAIDI

90.28

Root Cause

The system experienced two major storms and several other large ice/wind storms that affected large areas, resulting in long outage durations. In addition, one tap on this circuit (D2047) experienced three outages in 2002. Line clearance was completed in January of 2003. Ice was the cause for 78 of the outage minutes on this circuit.

Solution/Action

Add fuse to tap D2047.

Justification for No Action**Proposed Projects**

Add fuse to tap D2047

Proposed Project Year

2003

<u>Circuit ID</u>	<u>KESD1923</u>		
<u>Distribution Engineer</u>	Mike Warntjes	<u>SAIDI</u>	1080.34
<u>Zone</u>	Port Edwards	<u>SAIFI</u>	4.32
<u>Customer Count</u>	1037	<u>CAIDI</u>	250.20

Root Cause

The system experienced two major storms and several other large ice/wind storms that affected large areas, resulting in long outage durations. In addition, one tap on this circuit (D1822) experienced three outages in 2002.

Solution/Action

Add fuses to tap D1822.

Justification for No Action

Proposed Projects

Add fuses to D1822

Proposed Project Year

2003

Circuit ID**AMJD1628****Distribution Engineer**

Mike Warntjes

SAIDI

683.19

Zone

Port Edwards

SAIFI

6.30

Customer Count

1068

CAIDI

108.48

Root Cause

This long 121-mile circuit experienced two major storms and several other large ice/wind storms that affected large areas, resulting in long outage durations. In addition, one tap on this circuit (D1328) experienced three outages in 2002, ten in the past five years. Another tap, D1027 experienced six outages in the last three years.

Trees and ice were the cause of 89% other circuit outage minutes.

Solution/Action

A new circuit was brought out of the Amherst Junction Sub in 2002 to serve part of the load, and the new Sheridan Substation (2003) will serve another part. This will improve reliability by reducing the amount of line miles on the circuit. Fuses will be added on a long single-phase tap (D1328) that has had long duration outages. A rebuild project will be submitted for tap D1027.

Justification for No Action**Proposed Projects**

AMJ D1638 BUELOW RD RBLD 1 MI
Sheridan Substation
Add fuses on tap D1328

Proposed Project Year

2005
2003
2003

Circuit ID **ARND2108**

Distribution Engineer Mike Warntjes **SAIDI** 703.87

Zone Port Edwards **SAIFI** 2.40

Customer Count 554 **CAIDI** 293.02

Root Cause

The system experienced two major storms and several other large ice/wind storms that affected large areas, resulting in long outage durations. In addition, one tap on this circuit (D2231) experienced two outages in 2002, four outages in the last three years.

Ice was the cause of 84% of the circuit outage minutes.

Solution/Action

A rebuild project will be submitted for tap D2231.

Justification for No Action

Proposed Projects

ARN D2108 CTH KK RBLD 1.25 MI

Proposed Project Year

2005

PSCW 113.0604 2d) Accomplishment of improvements in prior reports

Circuit ID	AUBA443
Zone	Port Edwards
Distribution Engineer	Mike Warntjes
Data Year	2000
Reported Year	2001

Proposed Projects

AUB443, 477 Rebuild from Sub to AUB, WR # 78316
AUB433 A1268 Projects, WR# 78346
AUBA443 Rebuild 3.9 mi Brookside Rd, WR# 78345
AUB443 Hwy 10 Conver 1.0 mi 2 ph to 3 ph, WR# 78319

Status Update

Project AUB443 477 Rebuild is engineered, scheduled for construction in 2002. Other projects are scheduled for 2003, 2004.

Additional reporting required.

Circuit ID	ELMK846
Zone	Mineral Point
Distribution Engineer	Barry Bauman
Data Year	2000
Reported Year	2001

Proposed Projects

ELMK576 STH 80 Refurb

Status Update

Refurbishment of circuit ELM K846 is partially completed. Replacement of crossarms, insulators, lightning arrestors will be completed for the transmission underbuild portion in 2003.

Additional reporting required.

Circuit ID	JANN1234
Zone	Janesville
Distribution Engineer	Pat Runde
Data Year	2000
Reported Year	2001

Proposed Projects

Court St.
Rebuild Freedom Tie
JANN1234 Rebuild

Status Update

Janesville N1234 Rebuild was completed. Court St Rebuild is 95% engineered and is scheduled to be constructed in 2003. Freedom Tie Rebuild is currently being constructed.

Additional reporting required.

Circuit ID	LIBN3522
Zone	Janesville
Distribution Engineer	Pat Runde
Data Year	2000
Reported Year	2001

Proposed Projects

Venture Sub. & Getaways
Beloit Avenue Road-move

Status Update

Construct Venture Sub and Getaways has been completed. Beloit Avenue Roadmove is in engineering and has been delayed by the State DOT. It is tentatively scheduled for construction in 2003.

Additional reporting required.

Circuit ID	OAKP41
Zone	Fond Du Lac
Distribution Engineer	Steve Weston
Data Year	2000
Reported Year	2001

Proposed Projects

CTH T West of FDL

Status Update

A portion of CTH T was rebuilt in 2001. The remaining portion is scheduled to be constructed in 2003.

Additional reporting required.

Circuit ID	DELM1516
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Circuit tree trimming is scheduled in 2002
North Shore Dr RBLD 0.6 MI 3PH
Verify adequate lightning protection

Status Update

Circuit tree trimming was completed in 2002. M784-S, M1146-30T, and M334-20T have adequate lightning and wild life protection. North Shore Dr RBLD project has been scoped and is on schedule.

Additional reporting required.

Circuit ID	3STF27
Zone	Beaver Dam
Distribution Engineer	Al Damyen
Data Year	2001
Reported Year	2002

Proposed Projects

Prospect St. Rebuild 4.0MI 3PH

Status Update

The Prospect St. Rebuild has been completed.

This is the final report for this circuit.

Circuit ID	TURJ533
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Add Arresters to Turtle Substation Transformer
Turtle J533 471 REBD 0.5 MI
Circuit tree trimming

Status Update

The 69 kV and 12 kV arresters were added to the power transformer during the scheduled substation rebuild completed in December of 2002. The Turtle J533 471 REBD 0.5 MI distribution project was completed in June of 2002. Circuit tree trimming is on schedule for spring of 2003.

Additional reporting required.

Circuit ID	KILX40
Zone	Baraboo
Distribution Engineer	Jon Pernsteiner
Data Year	2001
Reported Year	2002

Proposed Projects

FINNEGAN AVE RBLD 5.5M OH 3P
Line Clearance
Grounding and arrester additions

Status Update

Finnegan Ave rebuild has been scoped. This circuit was trimmed during 2002. Additional arresters were added in 2002.

Additional reporting required.

Circuit ID	TOCN2442
Zone	Dane County
Distribution Engineer	Jerry Batson
Data Year	2001
Reported Year	2002

Proposed Projects

Portage Rd North Refurbishment

Status Update

Reburbishment is scheduled for 2003.

Additional reporting required.

Circuit ID	WIBM2557
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Circuit tree trimming
Verify adequate lightning and wildlife protection.

Status Update

Circuit tree trimming is scheduled in 2003. M1707-20T, M1060-20T, and M1348-40T have adequate lightning and wildlife protection.

This is the final report for this circuit.

Circuit ID	RDRE1405
Zone	Beaver Dam
Distribution Engineer	Al Damyen
Data Year	2001
Reported Year	2002

Proposed Projects

Install lightning arresters on distribution line (4 miles)
Review the sectionalizing and coordination on this feeder.
Road Moves: "T" and Losinski will mitigate outages for branch circuits E269-S and E645-S, respectively.
Old Green Lake Rd. Rebuild 4 MI 1 PH 1/0 ACSR

Status Update

Lightning arrestors have been installed. The road moves have been completed. The Old Green Lake Rd. Rebuild has been scoped.

Additional reporting required.

Circuit ID	PVWN1557
Zone	Janesville
Distribution Engineer	Pat Runde
Data Year	2001
Reported Year	2002

Proposed Projects

JVL 25KV PROJECT4-UNDERBUILD EAST
HENKE RD-5MI-3PH OH-JANESVILLE

Status Update

JVL 25kv-Underbuild East was completed in 2002. Henke Rd is currently being engineered and should be constructed in 2003.

Additional reporting required.

Circuit ID	OKEB861
Zone	Baraboo
Distribution Engineer	Jon Pernsteiner
Data Year	2001
Reported Year	2002

Proposed Projects

Circuit Line maintenance
Add wildlife protection to B1647 and B188
CHECK GROUNDING B798

Status Update

This circuit is scheduled for line clearance in 2003 and the wildlife protection will also be added this year.

Additional reporting required.

Circuit ID	KATM433
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Verify lightning protection
Update GIS system

Status Update

Lightning protection was analyzed and M978-10T should be upsized to a 20T fuse; M978-20T, M1260-30T, M810-S, and M1274-S have adequate lightning protection. Recloser J1274-S was added to the mapping system.

Additional reporting required.

Circuit ID	LAGM1
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Wildlife protect transformer 2-17-35.4 23/41
Verify lightning protection

Status Update

Additional lightning protection has been recommended and forwarded to the operations manager for the spacer cable on circuit in 2003. The transformer location 2-17-35.4 23/41 was relocated to pole 21/41 and additional wildlife protection was added.

Additional reporting required.

Circuit ID	SMEL725
Zone	Janesville
Distribution Engineer	Pat Runde
Data Year	2001
Reported Year	2002

Proposed Projects

Update FIM database

Status Update

The FIM database was updated in 2002.

This is the final report on this circuit.

Circuit ID	MOOE741
Zone	Beaver Dam
Distribution Engineer	Alan Damyen
Data Year	2001
Reported Year	2002

Proposed Projects

Review and re-coordinate feeder
HWY "22" RBLD 6.0 MI 3 PH 477ACSR
CTH "XX" RBLD 1.5 Mi 1PH 1/0 (Spacer Cable)

Status Update

The circuit has been reviewed and re-coordinated. The Hwy 22 rebuild project and the CTH X rebuild project have both been scoped.

Additional reporting required.

Circuit ID	KESD1922
Zone	Port Edwards
Distribution Engineer	Mike Warntjes
Data Year	2000
Reported Year	2001

Proposed Projects

Keshena-Shawano Tie

Status Update

Keshena-Shawano Tie is scoped and is scheduled for construction in 2003.

Additional reporting required.

Circuit ID	LAGM711
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2000
Reported Year	2001

Proposed Projects

Tree trim circuit M711-S

Status Update

The line clearance department has budgeted 37.93 miles in the 2003 tree trimming cycle.

Additional reporting required.

Circuit ID	LIBN3524
Zone	Janesville
Distribution Engineer	Pat Runde
Data Year	2000
Reported Year	2001

Proposed Projects

Tripp Substation and Circuit Getaways

Status Update

Tripp substation and getaways have been constructed.

This is the final report for this circuit.

Circuit ID	MREJ1791
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2000
Reported Year	2001

Proposed Projects

MREJ1791-S Circuit Refurb

Status Update

The circuit refurbishment will be scheduled for 2003.

Additional reporting required.

Circuit ID	CADA344
Zone	Baraboo
Distribution Engineer	Jon Pernsteiner
Data Year	2000
Reported Year	2001

Proposed Projects

CADA344 Refurb

Status Update

Reliability has improved as anticipated.

This is the final report for this circuit.

Circuit ID	SUNN6605
Zone	Janesville
Distribution Engineer	Pat Runde
Data Year	2000
Reported Year	2001

Proposed Projects

Sth 11 & USH 14 Roadmove
JVL 25kV Project 2 - HWY 14 East of O

Status Update

STH 11 & USH 14 Roadmove was completed in 2002. JVL 25kV-USH 14 East of O is currently being engineered and should be constructed in 2003.

Additional reporting required.

Circuit ID	TURJ532
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Noss Rd RBLD 3.0 MI 1PH
5043 S US HWY 51 Cable Replmt 112 FT 1PH
Townline Rd rebuild 2.4 mile 3ph
Turtle Sub 12kV Bus rebuild

Status Update

The 69kV and 12 kV arresters were added to the transformer during the scheduled outage in December 2002. The Townline Rd REBLD 2.4 MI 3PH distribution scope is scheduled to be constructed in 2004. Noss Rd RBLD 1PH scope to rebuild the 8A Copperweld installed in 1938 is in the scoping process. Also scope 5043 S US HWY 51 Cable Replmt 112 FT 1PH is scheduled to be completed in 2003.

Additional reporting required.

Circuit ID	HVLK3337
Zone	Mineral Point
Distribution Engineer	Barry Bauman
Data Year	2001
Reported Year	2002

Proposed Projects

CTH ID BARNEVELD HI NEU RBLD 2 MI
Add arresters

Status Update

Lightning arrestors have been added to the line between Hooterville substation and the Village of Barneveld. The CTH ID Barneveld project needs to be scoped.

Additional reporting required.

Circuit ID	DELM248
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Verify lightning protection.

Status Update

Verified M1498-S has adequate lightning protection. This line was refurbished back in 2000 and has arresters every third span installed.

This is the final report for this circuit.

Circuit ID	TROB1293
Zone	Mineral Point
Distribution Engineer	Barry Bauman
Data Year	2001
Reported Year	2002

Proposed Projects

TRO B1293 CTH B 25 KV CONVERSION 5 MI

Status Update

After additional review of the costs to convert to 25kV, this project may be delayed. Plans are being reviewed to refurbish this line.

Additional reporting required.

Circuit ID	TURJ534
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Add arresters to Turtle Sub Transformer.
Verify Lightning protection

Status Update

The 69 kV and 12 kV arresters were added to the transformer during the scheduled outage in December 2002. J621-30T has adequate lightning protection with arresters installed every third span.

This is the final report on this circuit.

Circuit ID	PLRD1229
Zone	Port Edwards
Distribution Engineer	Mike Warntjes
Data Year	2001
Reported Year	2002

Proposed Projects

Flak RD RBLD 1PH 3.75 MI

Status Update

Scope has been approved to rebuild Flak RD.

Additional reporting required.

Circuit ID	RIPE572
Zone	Beaver Dam
Distribution Engineer	Al Damyen
Data Year	2001
Reported Year	2002

Proposed Projects

INSTALL LIGHTNING ARRESTERS ON DIST. LINE

Status Update

Lightning arresters have been installed.

This is the final report for this circuit.

Circuit ID	LAGM711
Zone	Beloit
Distribution Engineer	Kevin Kueng
Data Year	2001
Reported Year	2002

Proposed Projects

Re-coordinate the feeder.

Status Update

Re-coordination of the feeder was done and made 11 fuse and recloser upgrades.

This is the final reprot for this feeder.

Circuit ID	SUPN1075
Zone	Dane County
Distribution Engineer	Jerry Batson
Data Year	2001
Reported Year	2002

Proposed Projects

Bird St. Three Phase Rebuild

Status Update

The Bird St. Three Phase Rebuild was completed in 2002.

This is the final report for this circuit.

Circuit ID	KESD1923
Zone	Port Edwards
Distribution Engineer	Mike Warntjes
Data Year	2001
Reported Year	2002

Proposed Projects

Add recloser, tap fuse (non-scoped)
34.5kV rebuild

Status Update

Recloser and fuse were added in 2002 as specified. The 34.5kV rebuild is in the process of being engineered.

Additional reporting required.

Circuit ID	NCKE934
Zone	Baraboo
Distribution Engineer	Jon Pernsteiner
Data Year	2001
Reported Year	2002

Proposed Projects

EDV-69/12kV Substation
ENV – Feeder North
ENV – Feeder South

Status Update

The Endeavor substaion will be placed in-service by the end of 2003.

Additional reporting required.

Circuit ID	ESSP1670
Zone	Fond du Lac
Distribution Engineer	Steve Weston
Data Year	2001
Reported Year	2002

Proposed Projects

STH 149 Roadmove & St. Peter Area Reroute

Status Update

This project is scheduled to be completed in 2003.

Additional reporting required.

PSCW 113.0604 2e) New Reliability or Power Quality Programs

- In 2002 WPL implemented a new process to insure that areas of poor performance are identified and evaluated in a timely manner along with verifying that outage data is correctly inputted into the outage managements system. For the evaluation of poor performing areas, each week a series of reports are run to look for any reclosers or fuse that operated in the previous week and has experienced more the 3 outages in the last year. In addition all customers that had an outage in the previous week and has experienced more then 4 outages in the last year are also reviewed. This allows WPL to focus on areas where customer satisfaction may be impacted.

For insuring that outage data is inputted into the system correctly a series of reports are reviewed each week that identify connectivity and inputting errors. The reports look at long duration outages, substation reclosers outages, and outages were the number of customers reporting the outage compared to the number of customers out is outside a set limit. When errors are found they are then corrected in the appropriate systems.

PSCW 113.0604 2f) Long Range Electric Distribution Plans

- **Stray Voltage Rebuilds** - WP&L invested in 49 large rebuild projects, which directly impacted areas with stray voltage concerns, replacing approximately 63 miles of line at a cost of nearly \$3.06 million dollars.
- **System Studies** –System studies for SE Fond du Lac, City of Sheboygan, City of Port Edwards, City of Baraboo, Delavan Area, Eastern Berlin and the City of Beaver Dam were completed in 2002. These studies resulted in numerous projects to improve or maintain reliability, replace antiquated system, and capacity addition. Capacity concerns resulted in substation additions for Omro, Winneconne, Fountain Valley, Prairie du Chien, River Side (Sheboygan), Howards Grove, Martin Road (Fond du Lac), Hollywood (Port Edwards), Young Road (Port Edwards), Hatchery (Baraboo), SW Delavan, City View (Baraboo), and North Shore (Delavan) substations.
- **High Neutral** –WP&L completed 28 High Neutral projects that replaced 15 miles of line at a cost of \$720,000 in 2002. In 2003, over 60 miles are scheduled for construction. The process of identifying the best alternative to replacing High Neutral continues to move forward. There are now 249 projects scoped and prioritized for rebuild replacing 316 miles of line. WPL is still on schedule to complete the replacement of the 730 miles by the end of 2011.
- **Copperweld Replacement** – In 2002, WPL replaced over 76 miles of copperweld conductor. At this time the work plan includes 327 miles to be reconstructed.

PSCW 113.0604 3a) Miles Reconstructed by Phase

Year Reported In	1999	2000	2001	2002
2002	268	244	183	
2003	268	238	266	225

Note: This matrix contains the information reported in previous years to show changes in the amounts reported due to the time required to update WP&L's GIS system. At this time, miles retired/reconstructed is not tracked according to single- and three- phase circuits. The information will be made available in subsequent years with the upgrade to the GIS.

PSCW 113.0604 3b) Total Miles by Voltage Level

Miles in Service	20,103
Under 22 kV	19,724
22 to 30 kV	300
31 to 40 kV	79
41 to 50 kV	

Note: This table has now been updated to show actual miles per the updated WPL GIS system.

PSCW 113.0604 3c) Monthly Average Speed of Answer for Calls

CUSTOMER SERVICE & BILLING						
	Number of calls to live agent	Number of calls to VRU	TOTAL queue time for a live agent (secs)	TOTAL queue time for VRU	OVERALL Speed of Answer (secs) ¹	Live Agent Speed of Answer (secs) ²
Jan	43,618	2,807	684,885	11,473	15.00	15.70
Feb	39,804	2,510	509,848	12,108	12.34	12.81
Mar	48,761	2,869	722,694	11,495	14.22	14.82
Apr	65,218	3,727	1,250,613	8,206	18.26	19.18
May	68,329	2,324	1,452,857	7,087	20.66	21.26
Jun	57,709	123	1,022,914	2,982	17.74	17.73
Jul	63,577	142	1,232,289	3,915	19.40	19.38
Aug	63,232	139	1,201,124	4,119	19.02	19.00
Sep	62,858	174	1,474,916	6,347	23.50	23.46
Oct	70,887	227	1,811,620	8,492	25.59	25.56
Nov	48,133	113	1,079,879	5,519	22.50	22.44
Dec	43,519	78	954,452	2,312	21.95	21.93
Year 2002	675,645	15,233	13,398,091	84,055	19.51	19.83

GAS & WATER EMERGENCIES ³						
	Number of calls to live agent	Number of calls to VRU ⁴	TOTAL queue time for a live agent (secs)	TOTAL queue time for VRU ⁴	OVERALL Speed of Answer (secs) ¹	Live Agent Speed of Answer (secs) ²
Jan	1,231	0	12,847	0	10.44	10.44
Feb	1,003	0	8,798	0	8.77	8.77
Mar	1,274	0	15,114	0	11.86	11.86
Apr	986	0	11,100	0	11.26	11.26
May	987	0	11,630	0	11.78	11.78
Jun	984	0	10,112	0	10.28	10.28
Jul	1,155	0	12,201	0	10.56	10.56
Aug	1,050	0	11,525	0	10.98	10.98
Sep	1,221	0	16,568	0	13.57	13.57
Oct	1,655	0	19,563	0	11.82	11.82
Nov	1,295	0	12,027	0	9.29	9.29
Dec	1,698	0	19,727	0	11.62	11.62
Year 2002	14,539	0	161,212	0	11.09	11.09

OUTAGES						
	Number of calls to live agent	Number of calls to VRU	TOTAL queue time for a live agent (secs)	TOTAL queue time for VRU	OVERALL Speed of Answer (secs) ¹	Live Agent Speed of Answer (secs) ²
Jan	3,323	617	78,453	8,233	22.00	23.61
Feb	3,774	615	58,103	8,336	15.14	15.40
Mar	7,874	2,621	220,957	35,782	24.46	28.06
Apr	5,849	1,202	104,279	15,997	17.06	17.83
May	5,833	1,225	132,856	16,511	21.16	22.78
Jun	11,498	3,024	221,164	40,708	18.03	19.23
Jul	11,821	3,932	295,603	53,239	22.14	25.01
Aug	10,350	3,464	181,978	47,228	16.59	17.58
Sep	6,956	2,219	180,936	29,865	22.98	26.01
Oct	7,958	2,759	134,982	5,084	16.03	16.96
Nov	3,795	615	68,519	1,148	17.43	18.06
Dec	3,970	805	84,521	1,555	20.00	21.29
Year 2002	83,001	23,098	1,762,351	263,686	19.55	21.23

Notes: 1) The calculation for OVERALL speed of answer is as follows:

$$\frac{\text{Total queue time for a live agent} + \text{Total queue time for VRU}}{\text{Number of calls to live agent} + \text{Number of calls to VRU}}$$

2) The calculation for Live Agent Speed of Answer is as follows:

$$\frac{\text{Total queue time for a live agent}}{\text{Number of calls to live agent}}$$

3) Gas and water emergency calls cannot be separated. This represents the total calls for gas and water emergencies.

4) All calls to the gas and water emergency line are handled by a live agent.

PSCW 113.0604 3d) Average Number Days to Install and Energize a New Service

ELECTRIC NEW SERVICE DATA								
Month	1999		2000		2001		2002	
	Projects	Avg. Days	Projects	Avg. Days	Projects	Avg. Days	Projects	Avg. Days
Jan	292	16.2	381	12.4	383	17.5	588	13.4
Feb	201	12.6	316	14.1	293	12.1	326	11.7
Mar	143	7.9	430	12.5	332	12.1	475	8.8
Apr	483	10.4	557	12.1	587	10.8	900	9.4
May	624	11.5	768	11.1	792	12.8	1018	10.4
Jun	666	13.0	775	17.3	698	14.5	925	10.8
Jul	660	12.6	722	12.5	800	11.9	1063	11.5
Aug	751	12.6	842	12.4	816	10.8	1066	11.5
Sep	659	14.6	689	12.7	673	11.5	1048	13.4
Oct	830	11.3	811	16.1	899	11.3	1278	11.6
Nov	748	11.3	859	12.9	806	10.9	1089	11.7
Dec	729	13.7	554	17.2	690	12.3	895	13.3
Total	6786	12.3	7704	13.6	7769	12.1	10653	11.5

PSCW 113.0604 3e) Total Number of Customer Complaints

CUSTOMER COMPLAINTS					
	Month	Complaints by Month			
		1999	2000	2001*	2002
	Jan	103	117	766	232
	Feb	125	122	708	225
	Mar	90	103	438	290
	Apr	105	79	469	489
	May	102	129	502	518
	Jun	142	82	517	488
	Jul	154	117	476	437
	Aug	119	180	520	437
	Sep	146	151	437	375
	Oct	138	157	459	474
	Nov	88	132	251	297
	Dec	89	138	185	294
	Total	1401	1507	5728	4556
Code	Category	Complaints by Category			
100-199	Billing	849	995	3400	1879
213-215	Billing (Payment Arrangements)	126	129	669	677
	Other	275	231	1118	1196
804-806	Outages	110	89	86	114
807, 802	Power Quality	0	7	74	110
406	Property Damage	39	53	376	573
412,914,& 801	Safety	2	3	5	7
	TOTAL	1401	1507	5728	4556

*Note: In late 2000, WP&L implemented a new customer feedback system. Prior to implementation, this information was only collected from telephone complaints. The "new" customer feedback system includes information from a variety of sources including in-person, telephone, email, written correspondence, customer surveys, and the internet web site as well as problems brought to our attention via the PSCW. Therefore, information and data since that implementation date may not be comparable to previous years' information.

PSCW 113.0604 3f) Total Annual Tree Trimming Budget and Actual Expenses

	1998	1999	2000	2001	2002
Expenses	\$4,214,189	\$4,273,443	\$5,457,253	\$6,113,776	\$6,068,243
Budget	\$4,469,400	\$4,159,374	\$5,199,960	\$6,239,568	\$6,684,243

PSCW 113.0604 3g) Total Annual Miles of Line Tree Trimmed

	1998	1999	2000	2001	2002
Miles Trimmed					
Projected			3,021	3,284	3,700
Actual	2,242	2,198	2,848	3,360	4,039
Miles Treated		2,508	1,585	320	213

Note: The company line clearance program is emphasizing herbicide treatment as a more cost-effective means of vegetation management. For this reason, starting in 1999 Alliant Energy began reporting the miles of line treated with herbicide as well as the miles of line trimmed.

PSCW 113.0605 Initial Historical Reliability Performance

OUTAGE PERFORMANCE DATA						
	1997	1998	1999	2000	2001	2002
CAIDI *	1.63	2.86	1.59	2.31	2.83	1.64
SAIDI *	2.21	5.12	2.24	3.26	4.21	2.21
SAIFI *	1.36	1.79	1.41	1.41	1.49	1.35

Note: In 1998 major storms accounted for over 57 million outage minutes or 48% of the total SAIDI hours.

 In 2000 major storms accounted for over 31 million outage minutes or 39% of the total SAIDI hours.

 In 2001 major storms accounted for over 59 million outage minutes or 57% of the total SAIDI hours.

 In 2002 major storms accounted for approximately 5.3 million outage minutes or roughly 10% of the total SAIDI hours.

CAIDI (Hrs of Interruption/Customer Interruptions)

SAIDI (Hrs of Interruption/System Customers)

SAIFI (Customer Interruptions/System Customers)

* Values are calculated using ALL reported customer outages (including major storms).

PSCW 113.0607 5) Inspection and maintenance; system reliability.

Distribution Circuit Inspection (Revision)

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
NORTH													
20th St	SHB	S2521	S672S								O		
20th St	SHB	S2521	S671S								O		
20th St	SHB	S2521	S840S								O		
20th St	SHB	S2521	S675S								O		
20th St	SHB	S2521	S673S								O		
32nd St	SHB	S2517	S23S			O							
32nd St	SHB	S2517	S243S			O							
32nd St	SHB	S2517	S497S			O							
32nd St	SHB	S2517	S493S			O							
Alto	RIP	2638	1252				O						
Alto	RIP	2638	1252				O						
Amherst Junction	MAR	D2947	D1642S		O								
Amherst Junction	MAR	D2947	D1733S		O								
Amherst Junction	MAR	D2947	D1634S		O								
Amherst Junction	MAR	D2947	D1638S		O								
Arnott	MAR	D2966	D2108S			O							
Arnott	MAR	D2966	D2107S			O							
Arnott	MAR	D2966	D2109S			O							
Auburndale	PE	A2895	A894S		O								
Auburndale	PE	A2895	A443S		O								
Belle Plaine	MAR	D2958	D1907S					O					
Belle Plaine	MAR	D2958	D1903S					O					
Belle Plaine	MAR	D2958	D1911S					O					
Berlin	BER	D2934	D528S				O						
Berlin	BER	D2934	D509S				O						
Berlin	BER	D2934	D505S				O						
Berlin	BER	D2934	D532S				O						
Biramwood	MAR	D2939	D2160S						O				
Biramwood	MAR	D2939	D1677S						O				
Biramwood	MAR	D2939	D1664S						O				
Bowler	MAR	D2945	D1619S	O									
Brandon	RIP	E2634	E327S								O		
Brandon	RIP	E2634	E328S								O		
Brandon	RIP	E2634	E329S								O		
Brooks Corners/Caroline	MAR	D2959/ D2948	R61			O							
Camp Douglas	TOM	A2878	A190S							O			
Camp Douglas	TOM	A2878	A401S							O			
Camp Douglas	TOM	A2878	A344S							O			
Council Creek	TOM	A2901B	A1991S								O		
Council Creek	TOM	A2901B	A1990S								O		
Council Creek	TOM	A2901B	A1865S								O		
Dartford	RIP	E2631	E944S									O	
Dartford	RIP	E2631	E905S									O	
Dartford	RIP	E2631	E909S									O	
Dartford	RIP	E2631	E1464S									O	
Deer Trail	MAR	D2964	D2102S							O			
Deer Trail	MAR	D2964	D2101S							O			
Deer Trail/Neopit	MAR	D2964/ D2950	R53					O					
Dellwood	TOM	A3339	A1762S	O									

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Dorset Corners	TOM	A2909	A81S				O						
Dorset Corners	TOM	A2909	A83S				O						
E Scott St	FDL	P2548	P1670S								O		
E Scott St	FDL	P2548	P1665S								O		
E Scott St	FDL	P2548	P1672S								O		
E Scott St	FDL	P2548	P1674S								O		
Edgewater	SHB	G2020H	G12S				O						
Edgewater	SHB	G2020H	G32S				O						
Edgewater	SHB	G2020H	G72S				O						
Edgewater	SHB	G2020H	G22S				O						
Erdman	SHB	S2522	S1048S			O							
Erdman	SHB	S2522	S1047S			O							
Erdman	SHB	S2522	S1046S			O							
Fountain Valley	BER	D2965	D355S									O	
Fountain Valley	BER	D2965	D356S									O	
Fountain Valley	BER	D2965	D354S									O	
Fox River (foundry)	BER	D2960	D531S									O	
Friendship	TOM	A2884	A125S					O					
Friendship	TOM	A2884	A40S					O					
Friendship	TOM	A2884	A119S					O					
Hancock	BER	D2955	D569S								O		
Hancock	BER	D2955	D570S								O		
Hancock	BER	D2955	D574S								O		
Hillsboro	TOM	A2905	A1343S						O				
Hillsboro	TOM	A2905	A1344S						O				
Hilltop	TOM	2894	2293				O						
Hilltop	TOM	2894	2294				O						
Huebner	SHB	2530	HUES190									O	
Huebner	SHB	2530	HUES191									O	
Huebner	SHB	2530	HUES192									O	
Huebner	SHB	2530	HUES194									O	
Iola	MAR	D2935	D1648S		O								
Iola	MAR	D2935	D1645S		O								
Iola	MAR	D2935	D1694S		O								
Iola	MAR	D2935	D1691S		O								
Keshena	MAR	D2951	D1922S								O		
Keshena	MAR	D2951	D1923S								O		
Keshena	MAR	D2951	D1924S								O		
Kettle Moraine	FDL	P2571	P1816S					O					
Kettle Moraine	FDL	P2571	P1815S					O					
Kettle Moraine	FDL	P2571	P1814S					O					
Ledgeview	FDL	2573	LGVP2316									O	
Ledgeview	FDL	2573	LGVP2317									O	
Ledgeview	FDL	2573	LGVP2318									O	
Lodestar	SHB	S2526	S914S				O						
Lodestar	SHB	S2526	S860S				O						
Lyndon Station	TOM	A2896	A497S			O							
Macford Prairie	RIP	E2637	E1012S						O				
Macford Prairie	RIP	E2637	E1011S						O				
Macford Prairie	RIP	E2637	E1009S						O				
Macford Prairie	RIP	E2637	E1010S						O				
Macy St	FDL	P2547	P306S			O							
Macy St	FDL	P2547	P93S			O							
Macy St	FDL	P2547	P295S			O							
Macy St	FDL	P2547	P307S			O							
Macy St	FDL	P2547	P308S			O							
Macy St	FDL	P2547	P63S			O							
Manawa	MAR	D2953	D1132S	O									

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Manawa	MAR	D2953	D1131S	O									
Manawa	MAR	D2953	D1124S	O									
Marion	MAR	D2941	D1432S	O									
Marion	MAR	D2941	D1780S	O									
Marion	MAR	D2941	D1541S	O									
Markesan	RIP	E2629	E688S			O							
Markesan	RIP	E2629	E633S			O							
Markesan	RIP	E2629	E637S			O							
Mauston	TOM	A2877	A306S				O						
Mauston	TOM	A2877	A338S				O						
Mauston	TOM	A2877	A302S				O						
Montello	RIP	E2621	E594S	O									
Montello	RIP	E2621	E741S	O									
Montello	RIP	E2621	E1058S	O									
Morris St	FDL	P2564	P1658S					O					
Morris St	FDL	P2564	P1654S					O					
Morris St	FDL	P2564	P1663S					O					
Morris St	FDL	P2564	P1667S					O					
N Fond Du Lac	FDL	P2546B	P351S				O						
N Fond Du Lac	FDL	P2546B	P746S				O						
N Fond Du Lac	FDL	P2546B	P407S				O						
N Fond Du Lac	FDL	P2546B	P411S				O						
N Fond Du Lac	FDL	P2546B	P350S				O						
N Fond Du Lac	FDL	P2546B	P442S	O									
Necedah	TOM	A2916	A952S								O		
Necedah	TOM	A2916	A951S								O		
Necedah	TOM	A2916	A953S								O		
Nenah Creek	RIP	E2633	E938S						O				
Nenah Creek	RIP	E2633	E934S						O				
Nenah Creek	RIP	E2633	E937S						O				
Neopit	MAR	D2950	D1975S									O	
Neopit/Shawano	MAR	D2950/ D2939	R65							O			
Nicolet	SHB	S2523	S76S									O	
Nicolet	SHB	S2523	S64S									O	
Nicolet	SHB	S2523	S1512S									O	
Nicolet	SHB	S2523	S85S									O	
Nicolet	SHB	S2523	S42S										O
North Tomah	TOM	A2911	A293S										O
North Tomah	TOM	A2911	A295S										O
North Tomah	TOM	A2911	A294S										O
North Tomah	TOM	A2911	A297S										O
Northgate	SHB	S2520	S889S										O
Northgate	SHB	S2520	S667S										O
Northgate	SHB	S2520	S668S										O
Northgate	SHB	S2520	S669S										O
Northgate	SHB	S2520	S670S										O
NW Ripon	RIP	E2635	E991S							O			
NW Ripon	RIP	E2635	E992S							O			
NW Ripon	RIP	E2635	E993S							O			
Oakfield	FDL	P2569	P43S								O		
Oakfield	FDL	P2569	P42S								O		
Oakfield	FDL	P2569	P41S								O		
Omro	BER	D2930	D312S					O					
Omro	BER	D2930	D240S					O					
Omro	BER	D2930	D427S					O					
Omro	BER	D2930	D308S					O					
Omro	BER	D2930	D416S					O					

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Pittsville	PE	A2906	A1329S		O								
Pittsville	PE	A2906	A1328S		O								
Pittsville	PE	A2906	A1327S		O								
Plainfield	BER	D2963	D753S				O						
Plainfield	BER	D2963	D751S				O						
Plainfield	BER	D2963	D752S				O						
Polar	MAR	D2957	D1229S									O	
Polar	MAR	D2957	D1239S									O	
Port Edwards	PE	A2892B	A664S							O			
Port Edwards	PE	A2892B	A661S							O			
Port Edwards	PE	A2892B	A666S							O			
Port Edwards	PE	A2892B	A662S							O			
Port Edwards	PE	A2892B	A663S							O			
Port Edwards	PE	A2892B	A665S							O			
Red Granite	BER	D2961	D378S	O									
Red Granite	BER	D2961	D379S	O									
Red Granite	BER	D2961	D133S	O									
Rienzi Rd	FDL	P2559	P1605S									O	
Rienzi Rd	FDL	P2559	P1625S									O	
Rienzi Rd	FDL	P2559	P1613S									O	
Rienzi Rd	FDL	P2559	P1614S									O	
Rienzi Rd	FDL	P2559	P1614S									O	
Ripon	RIP	E2620	E556S							O			
Ripon	RIP	E2620	E560S							O			
Ripon	RIP	E2620	E572S							O			
Ripon	RIP	E2620	E657S							O			
Ripon Industrial	RIP	E2639	E1485							O			
Ripon Industrial	RIP	E2639	E1486							O			
Ripon Industrial	RIP	E2639	E1487							O			
River Run	BER	D2944	D5047S						O				
River Run	BER	D2944	D5048S						O				
River Run	BER	D2944	D5064S						O				
Riverside	SHB	S2501	S594S						O				
Riverside	SHB	S2501	S587S						O				
Riverside	SHB	S2501	S201S						O				
Riverside	SHB	S2501	S210S						O				
Riverside	SHB	S2501	S286S						O				
Roeder	RIP	S2636	E1404S	O									
Roeder	RIP	S2636	E1405S	O									
Roeder	RIP	S2636	E1406S	O									
Rosendale	RIP	E2625	E535S							O			
Rosendale	RIP	E2625	E863S							O			
Rosendale	RIP	E2625	E795S							O			
Rosholt	MAR	D2954	D1143S		O								
Rosholt	MAR	D2954	D1098S		O								
Rozellville	PE	A2908	A1332S		O								
Rozellville	PE	A2908	A1331S		O								
Rudolph	PE	A2913	A203S						O				
Rudolph	PE	A2913	A201S						O				
Rudolph	PE	A2913	A202S						O				
S Hickory St	FDL	P2558	P2116S										O
S Hickory St	FDL	P2558	P1685S										O
S Hickory St	FDL	P2558	P1696S										O
S Hickory St	FDL	P2558	P1691S										O
S Hickory St	FDL	P2558	P1686S										O
S Hickory St	FDL	P2558	P1690S										O
Sadoff	FDL	P2565	P387S							O			
Saratoga	PE	A2899S	A723S			O							

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Saratoga	PE	A2899S	A1336S			O							
Saratoga	PE	A2899S	A724S			O							
Sauk Trail	SHB	S2527	S1597S		O								
Sauk Trail	SHB	S2527	S1598S		O								
Sauk Trail	SHB	S2527	S1595S		O								
Sauk Trail	SHB	S2527	S1596S		O								
Shawano	MAR	D2938	D1535S										O
Shawano/Caroline & Gresham Tap	MAR	D2030/ D3368	R59									O	
Sheboygan Falls	SHB	S2519	S34S						O				
Sheboygan Falls	SHB	S2519	S29S						O				
Silver Lake	BER	D2698	D6462S	O									
Silver Lake	BER	D2698	D6463S	O									
Silver Lake	BER	D2698	D6464S	O									
Tilleda	MAR	D3681	D1219S										O
Tilleda	MAR	D3681	D1211S										O
Tilleda	MAR	D3681	535D										O
Tomah Industrial	TOM	A2915	A253S									O	
Tomah Industrial	TOM	A2915	A286S									O	
Union Center	TOM	A2889	A296S					O					
Union Center	TOM	A2889	A292S					O					
Vern's Wood Fiber	MAR	D3682	D1707S							O			
Vesper	PE	A2891	A863S	O									
Vesper	PE	A2891	A859S	O									
Vesper	PE	A2891	A530S	O									
Vesper	PE	A2891	A843S	O									
W Mauston	TOM	A2912	A1550S					O					
W Mauston	TOM	A2912	A1543S					O					
W Mauston	TOM	A2912	A1544S					O					
Washington	SHB	S2525	S1110S			O							
Wautoma	BER	D2933	D722S	O									
Wautoma	BER	D2933	D721S	O									
Wautoma	BER	D2933	D720S	O									
Westfield	BER	E3252	E1007S	O									
Wild Rose	BER	D2927	D459S		O								
Wild Rose	BER	D2927	D463S		O								
Wild Rose	BER	D2927	D373S		O								
Willow Lawn	FDL	P2572	P2134S										O
Willow Lawn	FDL	P2572	P2136S										O
Willow Lawn	FDL	P2572	P2135S										O
Winnecone	BER	D2931	D561S			O							
Winnecone	BER	D2931	D831S			O							
Winnecone	BER	D2931	D565S			O							
Wittenberg	MAR	D2940	D2351S									O	
Wittenberg	MAR	D2940	D2358S									O	
Southwest													
Arena	MP	K2434	K944S				O						
Arena	MP	K2434	K946S				O						
Arena	MP	K2434	K1021S				O						
Avoca	MP	K2455	K755S					O					
Avoca	MP	K2455	K790S					O					
Baraboo	BAR	B2821	B1272S								O		
Baraboo	BAR	B2821	B81S								O		
Baraboo	BAR	B2821	B422S								O		
Baraboo	BAR	B2821	B449S								O		
Baraboo	BAR	B2821	B595S								O		
Belmont	MP	K2408	K410S					O					

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Belmont	MP	K2408	K649S					O					
Benton	MP	K2415	K953S				O						
Benton	MP	K2415	K914S				O						
Benton	MP	K2415	K957S				O						
Blanchardville	MP	K2321	K3132S						O				
Blanchardville	MP	K2321	K3704S						O				
Blanchardville	MP	K2321	K3126S						O				
Bloomington	MP	K2421	K270S		O								
Bloomington	MP	K2421	K255S		O								
Bloomington	MP	K2421	K112S		O								
Bloomington	MP	K2421	K190S		O								
Blue River	MP	K2452	K849S									O	
Blue River	MP	K2452	K841S									O	
Blue River	MP	K2452	K840S									O	
Boscobel	MP	K2429	K896S					O					
Boscobel	MP	K2429	K897S					O					
Brisbois	MP	K2444	K3362S								O		
Brisbois	MP	K2444	K3359S								O		
Brisbois	MP	K2444	K3358S								O		
Brisbois	MP	K2444	K6071S	O									
Darlington	MP	K2397	K3479S					O					
Darlington	MP	K2397	K3477S					O					
Darlington	MP	K2397	K3478S					O					
Dell Creek	BAR	2844	B3132				O						
Dodgeville	MP	K2396	K466S						O				
Dodgeville	MP	K2396	K424S						O				
Dodgeville	MP	K2396	K274S						O				
Dodgeville	MP	K2396	K182S						O				
Dodgeville	MP	K2396	K744S						O				
Eden	MP	K2445	K3309S					O					
Eden	MP	K2445	K3310S					O					
Eden	MP	K2445	K3311S					O					
Elmo	MP	K2435	K847S				O						
Elmo	MP	K2435	K846S				O						
Forward	MP	K2351	K3307S						O				
Gays Mills	MP	K2447	K269S	O									
Gays Mills	MP	K2447	K267S	O									
Gays Mills	MP	K2447	K268S	O									
Hillside	MP	K2426	K102S										O
Hillside	MP	K2426	K89S										O
Hillside	MP	K2426	K118S										O
Hillside	MP	K2426	K101S										O
Hooterville	MP	K2449	K3336S				O						
Hooterville	MP	K2449	K3338S				O						
Hooterville	MP	K2449	K3337S				O						
Island	BAR	B2832	B486S	O									
Island	BAR	B2832	B465S	O									
Island	BAR	B2832	B445S	O									
Island	BAR	B2832	B37S	O									
Ishnala	BAR	2845	B1940				O						
Ishnala	BAR	2845	B1941				O						
Kieler	MP	K2432	K864S			O							
Kieler	MP	K2432	K863S			O							
Kieler	MP	K2432	K865S			O							
Lancaster	MP	K2428	K2882S								O		
Lancaster	MP	K2428	K2884S								O		
Lancaster	MP	K2428	K2883S								O		
Lancaster (town)	MP	K2417	K709S	O									

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Lancaster (town)	MP	K2417	K708S	O									
Lancaster (town)	MP	K2417	K705S	O									
Lancaster (town)	MP	K2417	K687S	O									
Lands End	MP	K2454	K3636S		O								
Lands End	MP	K2454	K3638S		O								
Lands End	MP	K2454	K3637S								O		
Loch Mirror	BAR	B2837	B796S					O					
Loch Mirror	BAR	B2837	B761S								O		
Loch Mirror	BAR	B2837	B1687S								O		
Loganville	BAR	B2834	B152S								O		
Loganville	BAR	B2834	B174S			O					O		
Loganville	BAR	B2834	B168S			O							
Lone Rock	MP	K2411	K893S										O
Lone Rock	MP	K2411	K892S										O
Lone Rock	MP	K2411	K894S										O
Mazomanie	BAR	B2358	B463S						O				
Mazomanie	BAR	B2358	B462S					O					
Mazomanie	BAR	B2358	B464S						O				
McGregor	MP	K2406	K836S			O							
McGregor	MP	K2406	K675S			O							
McGregor	MP	K2406	K670S			O							
McGregor	MP	K2406	K830S			O							
Merrimac	BAR	B2839	B962S							O			
Merrimac	BAR	B2839	B938S							O			
Merrimac	BAR	B2839	B934S							O			
Mineral Point	MP	K2399	K379S			O							
Mineral Point	MP	K2399	K378S			O							
Mineral Point	MP	K2399	K388S			O							
Mineral Point	MP	K2399	K380S			O							
Mineral Point	MP	K2399	K381S			O							
Moore St	BAR	B2841	B231S							O			
Moore St	BAR	B2841	B223S							O			
Moore St	BAR	B2841	B198S							O			
Moore St	BAR	B2841	B443S							O			
Moore St	BAR	B2841	B276S							O			
Nelson Dewey	MP	2040	K8			O							
Nelson Dewey	MP	2040	K13			O							
New Hollandale	MP	K2453	K3316S							O			
New Hollandale	MP	K2453	K3312S							O			
New Hollandale	MP	K2453	K3315S							O			
Okee	BAR	B2836	B861S									O	
Okee	BAR	B2836	B482S									O	
Pine River	MP	K2456	K3607S		O								
Pine River	MP	K2456	K3808S		O								
Pine River	MP	K2456	K3606S		O								
Pioneer	MP	K2442	K264S						O				
Pioneer	MP	K2442	K263S						O				
Pioneer	MP	K2442	K265S						O				
Potosi	MP	K2451	K986S										O
Potosi	MP	K2451	K985S										O
Potosi	MP	K2451	K984S										O
Prairie Du Sac	BAR	B2840	B1060S									O	
Prairie Du Sac	BAR	B2840	B1040S									O	
Prairie Du Sac	BAR	B2840	B1050S									O	
Reedsburg	BAR	B2828	B862S									O	
Reedsburg	BAR	B2828	B1028S			O							
Rewey	MP	K2403	K143S				O						
Rewey	MP	K2403	K145S				O						

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Rewey	MP	K2403	K142S				O						
Richland	MP	K2443	K982S			O							
Richland	MP	K2443	K1027S			O							
Rock Springs	BAR	B2838	B1002S							O			
Rock Springs	BAR	B2838	B1005S	O									
Rock Springs	BAR	B2838	B1004S							O			
Rock Springs	BAR	B2838	B1003S							O			
Sauk Prairie	BAR	B2833	B296S									O	
Sauk Prairie	BAR	B2833	B246S	O									
Seneca	MP	K2431	K916S									O	
Seneca	MP	K2431	K925S									O	
Shullsburg	MP	K2413	K991S										O
Shullsburg	MP	K2413	K995S	O									
Spring Green	MP	K2398C	K3753S		O								
Spring Green	MP	K2398C	K3754S		O								
Spring Green	MP	K2398A	K738S		O								
Spring Green	MP	K2398A	K766S		O								
Spring Green	MP	K2398A	K3755		O								
Troy	BAR	B2842	B1293S									O	
Troy	BAR	B2842	B1294S										O
Wauzeka	MP	K2436	K857S						O				
Wyoming Valley	MP	K2448	K3428S										O
Wyoming Valley	MP	K2448	K4771										O
Wyoming Valley	MP	K2448	K3426S										O

Southeast

3rd St	BVD	F2722	F25S			O							
3rd St	BVD	F2722	F26S			O							
3rd St	BVD	F2722	F27S			O							
3rd St	BVD	F2722	F28S			O							
Albany	MON	N2330	N4232S									O	
Albany	MON	N2330	N4233S									O	
Albany	MON	N2330	N4235S									O	
Belleville	DNC	N2353	L1140S									O	
Belleville	DNC	N2353	L1142S									O	
Belleville	DNC	N2353	N6280S									O	
Blackhawk	BEL	J2010	J1683S							O			
Blackhawk	BEL	J2010	J1684S							O			
Blackhawk	BEL	J2010	J1685S							O			
Blackhawk	BEL	J2010	J1686S							O			
Blackhawk	BEL	J2010	J1687S								O		
Blackhawk	BEL	J2010	J1688S								O		
Blackhawk	BEL	J2010	J1689S								O		
Blacksmith	MON	N2327	N1455S									O	
Blacksmith	MON	N2327	N1456S										O
Blacksmith	MON	N2327	N1457S										O
Brick Church	LG	M2226	M1822S										O
Brick Church	LG	M2226	M1823S										O
Bristol	LG	M2216	M23S							O			
Bristol	LG	M2216	M817S							O			
Bristol	LG	M2216	M866S							O			
Bristol	LG	M2216	M1515S							O			
Bristol	LG	M2216	M2425S							O			
Brodhead	MON	N2326	N2088S									O	
Brodhead	MON	N2326	N2089S			O							
Brooklyn	DNC	N2372	N4371S										O
Brooklyn	DNC	N2372	N4372S										O
Brooklyn	DNC	N2372	N4373S										O

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Browntown	MON	N2310	L1478S									O	
Browntown	MON	N2310	L922S							O			
Browntown	MON	N2310	N6800S							O			
Burke	DNC	N2377	N7211S						O				
Burke	DNC	N2377	N7215S						O				
Burke	DNC	N2377	N7214S			O							
Burke	DNC	N2377	N7216S						O				
Burke	DNC	N2377	N7217S						O				
Caledonia	POR	C2869	C942S						O				
Caledonia	POR	C2869	C943S						O				
Caledonia	POR	C2869	C944S						O				
Cambria	BVD	F2725	F325S			O							
Cambria	BVD	F2725	F329S			O							
Cambridge	DNC	N2347	N5161S			O							
Cambridge	DNC	N2347	N5163S	O									
Cambridge	DNC	N2347	N5164S	O									
Cambridge	DNC	N2347	N5165S	O									
Center St	BVD	F2727	F911S	O									
Center St	BVD	F2727	F978S	O									
Center St	BVD	F2727	F1319S	O									
Center St	BVD	F2727	F1320S	O									
Clinton	BEL	J2140	J102S				O						
Clinton	BEL	J2140	J335S				O						
Clinton	BEL	J2140	J340S				O						
Colladay Point	DNC	N2379	N7253S			O							
Colladay Point	DNC	N2379	N7254S				O						
Colladay Point	DNC	N2379	N7255S				O						
Cottage Grove	DNC	N2354	N1427S	O									
Cottage Grove	DNC	N2354	N1431S	O									
Cottage Grove	DNC	N2354	N1435S	O									
Cranston	BEL	J2190	J938S										O
Cranston	BEL	J2190	J991S										O
Cranston	BEL	J2190	J992S										O
Cranston	BEL	J2190	J993S										O
Cross Country	DNC	N2373	N5961S		O								
Cross Country	DNC	N2373	N5962S		O								
Cross Country	DNC	N2373	N5963S		O								
Cross Country	DNC	N2373	N5964S		O								
Cross Country	DNC	N2373	N5965S		O								
Cross Plains	DNC	N2359	N542S		O								
Dana	JV	N2274	N2736S				O						
Dana	JV	N2274	N2737S									O	
Dane	DNC	N2363	N617S		O								
Dane	DNC	N2363	N618S		O								
Darien	LG	M2225	M1420S					O					
Darien	LG	M2225	M1502S					O					
Darien	LG	M2225	M1512S							O			
Deerfield	DNC	N2374	N6043S									O	
Deerfield	DNC	N2374	N6044S									O	
Deerfield	DNC	N2374	N6045S									O	
Deerfield	DNC	N2374	N6054S									O	
Deerfield	DNC	N2374	N6055S									O	
DeForest	DNC	N2362	N2161S										O
DeForest	DNC	N2362	N2162S										O
DeForest	DNC	N2362	N2163S		O								
DeForest	DNC	N2362	N2165S										O
DeForest	DNC	N2362	N6976S		O								
Delavan	LG	M2215	M248S									O	

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Delavan	LG	M2215	M605S									O	
Delavan	LG	M2215	M628S									O	
Delavan	LG	M2215	M1516S									O	
Dickinson	BEL	J2191	J1134S				O						
Dickinson	BEL	J2191	J1135S				O						
Dickinson	BEL	J2191	J1136S						O				
Dickinson	BEL	J2191	J1137S						O				
Dickinson	BEL	J2191	J1145S				O						
Dickinson	BEL	J2191	J1146S				O						
Dickinson	BEL	J2191	J1175S				O						
E Rockton	BEL	J2188	J1757S							O			
E Rockton	BEL	J2188	J1862S							O			
E Rockton	BEL	J2188	J531S							O			
E Rockton	BEL	J2188	J535S							O			
E Rockton	BEL	J2188	J539S						O				
East Beloit	BEL	J2196	J611S					O					
East Beloit	BEL	J2196	J612S								O		
East Beloit	BEL	J2196	J613S								O		
East Beloit	BEL	J2196	J615S								O		
Fall River	POR	C2867	C377S			O							
Fall River	POR	C2867	C412S			O							
Fall River	POR	C2867	C593S			O							
Footville	JV	N2254	N276S			O							
Footville	JV	N2254	N445S			O							
Footville	JV	N2254	N2768S			O							
Forward	MP	K2351	K3306S	O									
Fox Lake	BVD	F2731	F41S					O					
Fox Lake	BVD	F2731	F42S					O					
Gaston Rd	DNC	2385	N11099				O						
Gaston Rd	DNC	2385	N11100				O						
Gaston Rd	DNC	2385	N11101				O						
Hamilton	POR	C2868	C1076S			O							
Hamilton	POR	C2868	C1077S			O							
Hampden	POR	C2864	C35S			O							
Hampden	POR	C2864	C36S			O							
Horicon	BVD	F2719	F57S				O						
Horicon	BVD	F2719	F80S				O						
Horicon	BVD	F2719	F83S				O						
Horicon	BVD	F2719	F86S				O						
Horicon	BVD	F2719	F89S				O						
Horicon Industrial	BVD	2733	1418				O						
Horicon Industrial	BVD	2733	508				O						
Idle Hour	MON	N2329	N1952S					O					
Idle Hour	MON	N2329	N1954S					O					
Idle Hour	MON	N2329	N1955S					O					
Idle Hour	MON	N2329	N1956S					O					
Industrial Park	POR	C2863	C760S				O						
Industrial Park	POR	C2863	C761S				O						
Industrial Park	POR	C2863	C762S				O						
Industrial Park	POR	C2863	C763S	O									
Industrial Park	POR	C2863	C769S	O									
Industrial Park	POR	C2863	C1212S		O								
Industrial Park	POR	C2863	C720S								O		
Janesville General	JV	N2246	N28S										O
Janesville General	JV	N2246	N184S	O									

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Janesville General	JV	N2246	N352S										O
Janesville General	JV	N2246	N415S	O									
Janesville General	JV	N2246	N502S	O									
Janesville General	JV	N2246	N1234S								O		
Janesville General	JV	N2246	N1236S								O		
Janesville General	JV	N2246	N3311S	O									
Janesville General	JV	N2246	N3312S	O									
Katzenberg	LG	M2220	M432S				O						
Katzenberg	LG	M2220	M433S				O						
Katzenberg	LG	M2220	M1032S									O	
Katzenberg	LG	M2220	M1437S									O	
Kilbourn	POR	B2060	X40S	O									
Kilbourn	POR	B2060	X67S	O									
Kilbourn	POR	B2060	X69S	O									
Koch Oil	BVD	F2732	F20S		O								
La Mar	JV	N2269	N1215S		O								
La Mar	JV	N2269	N1219S		O								
La Mar	JV	N2269	N1223S		O								
Lake Geneva	LG	M2213	M1S										O
Lake Geneva	LG	M2213	M711S										O
Lake Geneva	LG	M2213	M851S										O
Lake Geneva	LG	M2213	M853S										O
Lake Geneva	LG	M2213	M1382S										O
Liberty	JV	N2306	N3522S							O			
Liberty	JV	N2306	N3523S							O			
Liberty	JV	N2306	N3524S							O			
Loch Mirror	POR	B2837	B783S	O									
London	DNC	N2375	N2371S							O			
London	DNC	N2375	N2373S					O					
Manley Sand	POR	C2856	C464S		O								
Manley Sand	POR	C2856	C465S		O								
Manley Sand	POR	C2856	C1107S		O								
Marine	BEL	J2192	J1283S								O		
Marine	BEL	J2192	J1284S								O		
Marine	BEL	J2192	J1791S								O		
Mayville	BVD	F2717	F405S						O				
Mayville	BVD	F2717	F1187S						O				
Mayville	BVD	F2717	F1214S						O				
Mayville	BVD	F2717	F1216S						O				
McCue	JV	N2273	N1641S		O								
McCue	JV	N2273	N1642S		O								
McCue	JV	N2273	N1643S		O								
McCue	JV	N2273	N7727S		O								
McFarland	DNC	N2355	N1110S			O							
McFarland	DNC	N2355	N1112S			O							
McFarland	DNC	N2355	N1113S			O							
McFarland	DNC	N2355	N1114S			O							
Milton Lawn	JV	N2260	N522S								O		
Milton Lawn	JV	N2260	N528S								O		
Milton Lawn	JV	N2260	N572s								O		
Milton Lawn	JV	N2260	N652S	O									
Milton Lawn	JV	N2260	N3608S								O		
Monroe Central	MON	N2307	N1959S						O				
Monroe Central	MON	N2307	N2042S						O				

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Monroe Central	MON	N2307	N2043S	O									
Monroe Central	MON	N2307	N2044S	O									
Monticello	MON	N2311	L687S							O			
Monticello	MON	N2311	L691S	O									
Monticello	MON	N2311	N1025S							O			
Monticello	MON	N2311	N2019S	O									
Mount Horeb	DNC	N2361	N1073S								O		
Mount Horeb	DNC	N2361	N1077S								O		
Mount Horeb	DNC	N2361	N1081S								O		
Mount Horeb	DNC	N2361	N6889S								O		
N Beaver Dam	BVD	F2718	F752S		O								
N Beaver Dam	BVD	F2718	F756S		O								
N Beaver Dam	BVD	F2718	F760S		O								
N Beaver Dam	BVD	F2718	F764S		O								
N Lake Geneva	LG	M2214	M835S										O
N Lake Geneva	LG	M2214	M839S										O
N Lake Geneva	LG	M2214	M1243S										O
N Lake Geneva	LG	M2214	M1315S										O
N Lake Geneva	LG	M2214	M2580S										O
New Glarus	MON	N2324	L1483S									O	
New Glarus	MON	N2324	L1487S									O	
Northwest Beloit	BEL	J2135	J971S						O				
Northwest Beloit	BEL	J2135	J972S						O				
Northwest Beloit	BEL	J2135	J973S						O				
Oregon	DNC	N2350	N5141S									O	
Oregon	DNC	N2350	N5142S									O	
Oregon	DNC	N2350	N5143S	O									
Oregon	DNC	N2350	N5144S	O									
Oregon	DNC	N2350	N5145S	O									
Orfordville	JV	N2270	N2770S					O					
Orfordville	JV	N2270	N2771S					O					
Park Ave	BEL	J2195	J1501S					O					
Park Ave	BEL	J2195	J1502S					O					
Park Ave	BEL	J2195	J1503S					O					
Park Ave	BEL	J2195	J1504S					O					
Parkview	JV	N2271	N1557S	O									
Parkview	JV	N2271	N2249S	O									
Parkview	JV	N2271	N2250S	O									
Parkview	JV	N2271	N3645S	O									
Penda	POR	C2870	C1104S			O							
Penda	POR	C2870	C1105S			O							
Penda	POR	C2870	C1118S			O							
Pleasant View	DNC	N2383	N8401S									O	
Pleasant View	DNC	N2383	N8404S									O	
Pleasant View	DNC	N2383	N8405S									O	
Portage	POR	C2851B	C393S			O							
Portage	POR	C2851B	C552S		O								
Portage	POR	C2851B	C553S		O								
Portage	POR	C2851B	C757S		O								
Portage	POR	C2851B	C801S		O								
Poynette	POR	C2852	C167S						O				
Poynette	POR	C2852	C430S						O				
Poynette	POR	C2852	C631S						O				
Poynette	POR	C2852	C1196S						O				
Randolph	BVD	F2721	F30S			O							
Randolph	BVD	F2721	F310S			O							
Randolph	BVD	F2721	F32S			O							
Rio	POR	C2866	C409S						O				

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Rio	POR	C2866	C410S						O				
Rio	POR	C2866	C411S						O				
Russell	JV	2276	31				O						
Russell	JV	2276	32				O						
Saunders Creek	JV	N2266	N645S			O							
Saunders Creek	JV	N2266	N678S			O							
Saunders Creek	JV	N2266	N897S			O							
Sharon	LG	M2219	M519S									O	
Sharon	LG	M2219	M911S									O	
Shaw	BEL	J2189	J1797S						O				
Shaw	BEL	J2189	J672S						O				
Shaw	BEL	J2189	J676S						O				
Shaw	BEL	J2189	J680S						O				
Shaw	BEL	J2189	J699S		O								
Sheepskin	JV	N2255	N611S						O				
Sheepskin	JV	N2255	N620S						O				
Shirland Ave	BEL	J2193	J52S				O						
Shirland Ave	BEL	J2193	J53S				O						
Shirland Ave	BEL	J2193	J54S				O						
S Lake Geneva	LG	M2232	M2726	O									
S Lake Geneva	LG	M2232	M2728				O						
S Lake Geneva	LG	M2232	M2729				O						
South Beaver Dam	BVD	F2729	F1654					O					
South Monroe	MON	N2306	L1255S								O		
South Monroe	MON	N2306	L193S				O						
South Monroe	MON	N2306	L725S				O						
South Monroe	MON	N2306	L729S				O						
South Monroe	MON	N2306	N1259S				O						
South Monroe	MON	N2306	N5500S				O						
Spring Grove	MON	N2322	L907S					O					
Spring Grove	MON	N2322	L937S					O					
Springbrook	BVD	F2730	F376S					O					
Springbrook	BVD	F2730	F377S					O					
Springbrook	BVD	F2730	F378S					O					
Stoughton	DNC	N2346	N3214S		O								
Stoughton	DNC	N2346	N3216S		O								
Sun Prairie	DNC	N2364	N1071S				O						
Sun Prairie	DNC	N2364	N1075S				O						
Sunrise	DNC	N2277	N6604S			O							
Sunrise	JV	N2277	N6605S					O					
Sunrise	JV	N2277	N6606S					O					
Sunrise	JV	N2277	N6607S					O					
Timber Lane	DNC	N2368	N3915S									O	
Timber Lane	DNC	N2368	N3916S									O	
Token Creek	DNC	N2370	N2441S	O									
Token Creek	DNC	N2370	N2442S	O									
Token Creek	DNC	N2370	N2443S	O									
Token Creek	DNC	N2370	N2444S	O									
Traxler	JV	N2267	N405S							O			
Traxler	JV	N2267	N616S							O			
Traxler	JV	N2267	N637S							O			
Traxler	JV	N2267	N4094S							O			
Turtle	BEL	J2031	J532S							O			
Turtle	BEL	J2031	J533S							O			
Turtle	BEL	J2031	J534S							O			
Twin Lakes	LG	M2228	M1652S									O	
Twin Lakes	LG	M2228	M1653S									O	

Sub Name	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Verona	DNC	N2352	N2859S										O
Verona	DNC	N2352	N2860S										O
Verona	DNC	N2352	N2861S										O
Verona	DNC	N2352	N2862S										O
Viking	JV	N2272	N1070S			O							
Viking	JV	N2272	N2257S				O						
Viking	JV	N2272	N2258S				O						
Viking	JV	N2272	N2288S				O						
Viking	JV	N2272	N6442S				O						
Walworth	LG	M2211	M348S							O			
Walworth	LG	M2211	M821S							O			
Walworth	LG	M2211	M885S							O			
Walworth	LG	M2211	M1410S							O			
Waupun	BVD	F2724	F170S					O					
Waupun	BVD	F2724	F174S					O					
West Towne	DNC	N2367	N1836S					O					
West Towne	DNC	N2367	N3014S					O					
West Towne	DNC	N2367	N3015S					O					
West Towne	DNC	N2367	N3016S					O					
West Towne	DNC	N2367	N3017S					O					
West Towne	DNC	N2367	N7156S					O					
Williams Bay	LG	M2230	M2555S								O		
Williams Bay	LG	M2230	M2556S								O		
Williams Bay	LG	M2230	M2557S								O		
Williams Bay	LG	M2230	M2558S	O									
Wiotia	MON	N2314	N1076S								O		
Wiotia	MON	N2314	N463S								O		
Yahara	DNC	2384	N4096				O						
Yahara	DNC	2384	N4097				O						
Yahara	DNC	2384	N4100				O						
Zenda	LG	M2227	M1224S								O		
Zenda	LG	M2227	M1231S								O		
Zenda	LG	M2227	M1240S								O		
Zenda	LG	M2227	M1253S								O		

Distribution Substation Inspection (Revised)

NORTH		
20th St	Island	Randolph
32nd St	Keshena	Red Granite
3rd St	Kettle Moraine	Reedsburg
Alto	Kettle Moraine	Rienzi Rd
Amherst Junction	Kilbourn	Rio
Arnott	Lake Delton	Rio Pumping Sta
Auburndale	Ledgeview	Ripon
Baraboo Sub	Loch Mirror	Ripon Industrial Park
Belle Plain - WPL	Lodestar	River Run
Berlin	Loganville	Riverside-WI
Birnamwood	Lyndon Station	Rock Springs
Bowler	Mackford Prairie	Roeder
Brandon	Macy Street	Rosendale
Brooks Corner	Manawa	Rosholt
Caledonia	Manley	Rozellville
Cambria	Marion	Rudolph
Camp Douglas	Markesan	S Beaver Dam
Center St	Mauston	S Fond du Lac
Council Creek	Mayville	Saratoga
Dam Heights	Merrimac	Sauk Prairie
Dartford 1	Montello	Sauk Trail
Deer Trail	Moore St	Shawano
Dell Creek	Morris St	Sheboygan Falls
Dorset Corners	N Beaver Dam	Silver Lake
E Scott St	N Fond du Lac	Spring Brook
Edgewater	Necedah	Tilleda
Erdman	Neenah Creek	Tomah Ind Park
Fall River	Neopit	Trienda
Fountain Valley	Nicolet	Troy
Fox Lake	North Tomah	Union Center
Fox River	Northgate	Verns Wood Fiber
Friendship	Northwest Ripon	Vesper
Hamilton	Oakfield	Washington Sub
Hampden	Okee	Waupun
Hancock	Omro	Wautoma
Hickory St	Pittsville	West Mauston
Hillsboro	Plainfield	Wild Rose
Hilltop	Polar	Willow Lawn
Horicon	Port Edwards Sub	Winneconne
Horicon Ind Pk	Portage	Wittenberg
Houghton Rock	Portage Ind Park	Wonewoc
Huebner	Poynette	
Iola	Prairie du Sac	
Ishnala	Princeton	
South		
Albany	Katzenberg	Spring Grove

Arena	Kieler	Stoughton Sub
Badger Pumping Station	Lake Geneva Dwntrn	Sun Prairie
Belleville	Lamar	Sunrise
Belmont	Gays Mills	Richland
Benton	General	Rock River
Blackhawk	Hillside	Russell
Blacksmith	Hollandale	S Lake Geneva
Blanchardville	Hooterville	S Monroe
Bloomington	Idle Hour	Saunders Creek
Blue River	Katzenberg	Seneca
Boscobel	Lancaster 138	Sharon
Brick Church	Lancaster Dist Sub	Shaw
Brisbois	Lands End	Sheepskin
Bristol	London	Shirland
Brodhead Tap	Lone Rock	Shullsburg
Brooklyn	Marine	Spring Green
Browntown	Mazomanie	Timber Lane
Burke	McCue	Token Creek
Cambridge	McFarland	Traxler
Clinton-Beloit	McGregor	Tripp Road
Colladay	Milton Lawn	Turtle
Cottage Grove	Mineral Point Sub	Twin Lakes
Cranston	Monroe Central	Venture
Cross Country	Monticello-WI	Verona Sub
Dana	Mount Horeb	Viking
Dane	N Lake Geneva	W Darien
Darlington	Nelson Dewey	W Towne
Deerfield	New Avoca	Walworth
Deforest	New Glarus	Wauzeka
Delavan Wisc	NW Beloit	Williams Bay
Dickinson	Oregon	Wiota
Dodgeville	Orfordville	Wyoming Valley
E Beloit	Park Avenue	Yahara River
E Rockton	Parkview-WI	Zenda
Eden	Pine River	
Elmo	Pioneer	
Footville	Pleasant View	
Forward	Potosi	
Gaston Road	Rewey	

PSCW 113.0607 6) Inspection and maintenance compliance report.

Distribution Circuit Inspection (Status)

Key	
○	Inspection Planned
●	Inspection Complete

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
NORTH															
20th St	SHB	S2521	S672S								○				
20th St	SHB	S2521	S671S								○				
20th St	SHB	S2521	S840S								○				
20th St	SHB	S2521	S675S								○				
20th St	SHB	S2521	S673S								○				
32nd St	SHB	S2517	S23S			○									
32nd St	SHB	S2517	S243S			○									
32nd St	SHB	S2517	S497S			○									
32nd St	SHB	S2517	S493S			○									
Alto	RIP	2638	1252				○								
Alto	RIP	2638	1253				○								
Amherst Junction	MAR	D2947	D1642S		●										
Amherst Junction	MAR	D2947	D1733S		●										
Amherst Junction	MAR	D2947	D1634S		●										
Amherst Junction	MAR	D2947	D1638S		●										
Arnott	MAR	D2966	D2108S			○									
Arnott	MAR	D2966	D2107S			○									
Arnott	MAR	D2966	D2109S			○									
Auburndale	PE	A2895	A894S	●											
Auburndale	PE	A2895	A443S	●											
Belle Plaine	MAR	D2958	D1907S					○							
Belle Plaine	MAR	D2958	D1903S					○							
Belle Plaine	MAR	D2958	D1911S					○							
Berlin	BER	D2934	D528S				○								
Berlin	BER	D2934	D509S				○								
Berlin	BER	D2934	D505S				○								
Berlin	BER	D2934	D532S				○								
Birnamwood	MAR	D2939	D2160S						○						
Birnamwood	MAR	D2939	D1677S						○						
Birnamwood	MAR	D2939	D1664S						○						
Bowler	MAR	D2945	D1619S	○											
Brandon	RIP	E2634	E327S								○				
Brandon	RIP	E2634	E328S								○				
Brandon	RIP	E2634	E329S								○				
Brooks Corners/Caroline	MAR	D2959/ D2948	R61		●	○									
Camp Douglas	TOM	A2878	A190S							○					
Camp Douglas	TOM	A2878	A401S							○					
Camp Douglas	TOM	A2878	A344S							○					
Council Creek	TOM	A2901B	A1991S								○				
Council Creek	TOM	A2901B	A1990S								○				
Council Creek	TOM	A2901B	A1865S								○				
Dartford	RIP	E2631	E944S									○			
Dartford	RIP	E2631	E905S									○			
Dartford	RIP	E2631	E909S									○			

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Dartford	RIP	E2631	E1464S												
Deer Trail	MAR	D2964	D2102S									O			
Deer Trail	MAR	D2964	D2101S							O					
Deer Trail/Neopit	MAR	D2964/ D2950	R53							O					
Dellwood	TOM	A3339	A1762S	O	•	O		O							
Dorset Corners	TOM	A2909	A81S				O								
Dorset Corners	TOM	A2909	A83S				O								
E Scott St	FDL	P2548	P1670S								O				
E Scott St	FDL	P2548	P1665S								O				
E Scott St	FDL	P2548	P1672S								O				
E Scott St	FDL	P2548	P1674S								O				
Edgewater	SHB	G2020H	G12S				O								
Edgewater	SHB	G2020H	G32S				O								
Edgewater	SHB	G2020H	G72S				O								
Edgewater	SHB	G2020H	G22S				O								
Erdman	SHB	S2522	S1048S			O									
Erdman	SHB	S2522	S1047S			O									
Erdman	SHB	S2522	S1046S			O									
Fountain Valley	BER	D2965	D355S									O			
Fountain Valley	BER	D2965	D356S									O			
Fountain Valley	BER	D2965	D354S									O			
Fox River (foundry)	BER	D2960	D531S									O			
Friendship	TOM	A2884	A125S					O							
Friendship	TOM	A2884	A40S					O							
Friendship	TOM	A2884	A119S					O							
Hancock	BER	D2955	D569S								O				
Hancock	BER	D2955	D570S								O				
Hancock	BER	D2955	D574S								O			Y	Repaired
Hillsboro	TOM	A2905	A1343S						O					Y	Repaired
Hillsboro	TOM	A2905	A1344S						O						
Hilltop	TOM	2894	2293				O								
Hilltop	TOM	2894	2294				O								
Huebner	SHB	2530	HUES190									O			
Huebner	SHB	2530	HUES191									O			
Huebner	SHB	2530	HUES192									O			
Huebner	SHB	2530	HUES194									O			
Iola	MAR	D2935	D1648S		•										
Iola	MAR	D2935	D1645S		•										
Iola	MAR	D2935	D1694S		•										
Iola	MAR	D2935	D1691S		•										
Keshena	MAR	D2951	D1922S								O				
Keshena	MAR	D2951	D1923S								O				
Keshena	MAR	D2951	D1924S								O				
Kettle Moraine	FDL	P2571	P1816S					O							
Kettle Moraine	FDL	P2571	P1815S					O							
Kettle Moraine	FDL	P2571	P1814S					O							
Ledgeview	FDL	2573	LGVP2316								O				
Ledgeview	FDL	2573	LGVP2317								O				
Ledgeview	FDL	2573	LGVP2318								O				
Lodestar	SHB	S2526	S914S				O								
Lodestar	SHB	S2526	S860S				O								
Lyndon Station	TOM	A2896	A497S			O									
Macford Prairie	RIP	E2637	E1012S						O						
Macford Prairie	RIP	E2637	E1011S						O						
Macford Prairie	RIP	E2637	E1009S						O						

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Macford Prairie	RIP	E2637	E1010S						O					Y	Repaired
Macy St	FDL	P2547	P306S			O									
Macy St	FDL	P2547	P93S			O									
Macy St	FDL	P2547	P295S			O									
Macy St	FDL	P2547	P307S			O									
Macy St	FDL	P2547	P308S			O									
Macy St	FDL	P2547	P63S			O									
Manawa	MAR	D2953	D1132S	●											
Manawa	MAR	D2953	D1131S	●											
Manawa	MAR	D2953	D1124S	●											
Marion	MAR	D2941	D1432S	●											
Marion	MAR	D2941	D1780S	●											
Marion	MAR	D2941	D1541S	●											
Markesan	RIP	E2629	E688S			O									
Markesan	RIP	E2629	E633S			O									
Markesan	RIP	E2629	E637S			O								Y	Scheduled
Mauston	TOM	A2877	A306S				O								
Mauston	TOM	A2877	A338S				O								
Mauston	TOM	A2877	A302S				O								
Montello	RIP	E2621	E594S	●											
Montello	RIP	E2621	E741S	●											
Montello	RIP	E2621	E1058S	●											
Morris St	FDL	P2564	P1658S					O							
Morris St	FDL	P2564	P1654S					O							
Morris St	FDL	P2564	P1663S					O							
Morris St	FDL	P2564	P1667S					O							
N Fond Du Lac	FDL	P2546B	P351S				O								
N Fond Du Lac	FDL	P2546B	P746S				O								
N Fond Du Lac	FDL	P2546B	P407S				O								
N Fond Du Lac	FDL	P2546B	P411S				O								
N Fond Du Lac	FDL	P2546B	P350S				O								
N Fond Du Lac	FDL	P2546B	P442S	O			O								
Necedah	TOM	A2916	A952S								O				
Necedah	TOM	A2916	A951S								O				
Necedah	TOM	A2916	A953S								O				
Nenah Creek	RIP	E2633	E938S						O						
Nenah Creek	RIP	E2633	E934S						O						
Nenah Creek	RIP	E2633	E937S						O						
Neopit	MAR	D2950	D1975S									O			
Neopit/Shawano	MAR	D2950/ D2939	R65		●	O				O					
Nicolet	SHB	S2523	S76S									O			
Nicolet	SHB	S2523	S64S									O			
Nicolet	SHB	S2523	S1512S									O			
Nicolet	SHB	S2523	S85S									O			
Nicolet	SHB	S2523	S42S										O		
North Tomah	TOM	A2911	A293S										O		
North Tomah	TOM	A2911	A295S										O		
North Tomah	TOM	A2911	A294S										O		
North Tomah	TOM	A2911	A297S										O		
Northgate	SHB	S2520	S889S										O		
Northgate	SHB	S2520	S667S										O		
Northgate	SHB	S2520	S668S										O		
Northgate	SHB	S2520	S669S										O		
Northgate	SHB	S2520	S670S										O		
NW Ripon	RIP	E2635	E991S							O					

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
NW Ripon	RIP	E2635	E992S							O				Y	Repaired
NW Ripon	RIP	E2635	E993S							O					
Oakfield	FDL	P2569	P43S								O			Y	Repaired
Oakfield	FDL	P2569	P42S								O			Y	Repaired
Oakfield	FDL	P2569	P41S								O			Y	Repaired
Omro	BER	D2930	D312S					O							
Omro	BER	D2930	D240S					O							
Omro	BER	D2930	D427S					O							
Omro	BER	D2930	D308S					O							
Omro	BER	D2930	D416S					O							
Pittsville	PE	A2906	A1329S		●										
Pittsville	PE	A2906	A1328S		●										
Pittsville	PE	A2906	A1327S		●										
Plainfield	BER	D2963	D753S				O							Y	Scheduled
Plainfield	BER	D2963	D751S				O								
Plainfield	BER	D2963	D752S				O								
Polar	MAR	D2957	D1229S									O			
Polar	MAR	D2957	D1239S									O			
Port Edwards	PE	A2892B	A664S							O					
Port Edwards	PE	A2892B	A661S							O					
Port Edwards	PE	A2892B	A666S							O					
Port Edwards	PE	A2892B	A662S							O					
Port Edwards	PE	A2892B	A663S							O					
Port Edwards	PE	A2892B	A665S							O					
Red Granite	BER	D2961	D378S	●											
Red Granite	BER	D2961	D379S	●											
Red Granite	BER	D2961	D133S	●											
Rienzi Rd	FDL	P2559	P1605S									O			
Rienzi Rd	FDL	P2559	P1625S									O			
Rienzi Rd	FDL	P2559	P1613S									O			
Rienzi Rd	FDL	P2559	P1614S									O			
Rienzi Rd	FDL	P2559	P1622S									O			
Ripon	RIP	E2620	E556S							O				Y	Repaired
Ripon	RIP	E2620	E560S							O					
Ripon	RIP	E2620	E572S							O					
Ripon	RIP	E2620	E657S							O					
Ripon Industrial	RIP	E2639	E1485							O				Y	Repaired
Ripon Industrial	RIP	E2639	E1486		●					O					
Ripon Industrial	RIP	E2639	E1487		●					O					
River Run	BER	D2944	D5047S						O						
River Run	BER	D2944	D5048S						O						
River Run	BER	D2944	D5064S						O						
Riverside	SHB	S2501	S594S						O						
Riverside	SHB	S2501	S587S						O						
Riverside	SHB	S2501	S201S						O						
Riverside	SHB	S2501	S210S						O						
Riverside	SHB	S2501	S286S						O						
Roeder	RIP	S2636	E1404S	●											
Roeder	RIP	S2636	E1405S	●											
Roeder	RIP	S2636	E1406S	●											
Rosendale	RIP	E2625	E535S							O					
Rosendale	RIP	E2625	E863S							O					
Rosendale	RIP	E2625	E795S							O					
Rosholt	MAR	D2954	D1143S		●										
Rosholt	MAR	D2954	D1098S		●										
Rozellville	PE	A2908	A1332S	●											

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Rozellville	PE	A2908	A1331S	●											
Rudolph	PE	A2913	A203S												
Rudolph	PE	A2913	A201S						O						
Rudolph	PE	A2913	A202S						O						
S Hickory St	FDL	P2558	P2116S						O						
S Hickory St	FDL	P2558	P1685S										O		
S Hickory St	FDL	P2558	P1696S										O		
S Hickory St	FDL	P2558	P1691S										O		
S Hickory St	FDL	P2558	P1686S										O		
S Hickory St	FDL	P2558	P1690S										O		
Sadoff	FDL	P2565	P387S							O					
Saratoga	PE	A2899S	A723S			O									
Saratoga	PE	A2899S	A1336S			O									
Saratoga	PE	A2899S	A724S			O									
Sauk Trail	SHB	S2527	S1597S		●										
Sauk Trail	SHB	S2527	S1598S		●										
Sauk Trail	SHB	S2527	S1595S		●										
Sauk Trail	SHB	S2527	S1596S		●										
Shawano	MAR	D2938	D1535S										O		
Shawano/Caroline & Gresham Tap	MAR	D2030/ D3368	R59		●	O						O			
Sheboygan Falls	SHB	S2519	S34S						O						
Sheboygan Falls	SHB	S2519	S29S						O						
Silver Lake	BER	D2698	D6462S	●											
Silver Lake	BER	D2698	D6463S	●											
Silver Lake	BER	D2698	D6464S	●											
Tilleda	MAR	D3681	D1219S										O		
Tilleda	MAR	D3681	D1211S										O		
Tilleda	MAR	D3681	535D										O		
Tomah Industrial	TOM	A2915	A253S									O			
Tomah Industrial	TOM	A2915	A286S									O			
Union Center	TOM	A2889	A296S					O							
Union Center	TOM	A2889	A292S					O							
Vern's Wood Fiber	MAR	D3682	D1707S							O					
Vesper	PE	A2891	A863S		●									Y	Scheduled
Vesper	PE	A2891	A859S		●										
Vesper	PE	A2891	A530S		●										
Vesper	PE	A2891	A843S		●										
W Mauston	TOM	A2912	A1550S					O							
W Mauston	TOM	A2912	A1543S					O							
W Mauston	TOM	A2912	A1544S					O							
Washington	SHB	S2525	S1110S			O									
Wautoma	BER	D2933	D722S	●											
Wautoma	BER	D2933	D721S	●											
Wautoma	BER	D2933	D720S	●											
Westfield	BER	E3252	E1007S	O			O								
Wild Rose	BER	D2927	D459S		●										
Wild Rose	BER	D2927	D463S		●										
Wild Rose	BER	D2927	D373S		●										
Willow Lawn	FDL	P2572	P2134S										O		
Willow Lawn	FDL	P2572	P2136S										O		
Willow Lawn	FDL	P2572	P2135S										O		
Winnecone	BER	D2931	D561S			O									
Winnecone	BER	D2931	D831S			O									
Winnecone	BER	D2931	D565S			O									
Wittenberg	MAR	D2940	D2351S									O			

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Wittenberg	MAR	D2940	D2358S									O			

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
SOUTHWEST															
Arena	MP	K2434	K946S				O								
Arena	MP	K2434	K1021S				O								
Avoca	MP	K2455	K755S		●			O							
Avoca	MP	K2455	K790S		●			O							
Baraboo	BAR	B2821	B1272S								O				
Baraboo	BAR	B2821	B81S								O				
Baraboo	BAR	B2821	B422S								O				
Baraboo	BAR	B2821	B449S								O				
Baraboo	BAR	B2821	B595S								O				
Belmont	MP	K2408	K410S					O							
Belmont	MP	K2408	K649S					O							
Benton	MP	K2415	K953S				O								
Benton	MP	K2415	K914S				O								
Benton	MP	K2415	K957S				O								
Blanchardville	MP	K2321	K3132S						O						
Blanchardville	MP	K2321	K3704S						O						
Blanchardville	MP	K2321	K3126S						O						
Bloomington	MP	K2421	K270S		O										
Bloomington	MP	K2421	K255S		O										
Bloomington	MP	K2421	K112S		O										
Bloomington	MP	K2421	K190S		O										
Blue River	MP	K2452	K849S									O			
Blue River	MP	K2452	K841S									O			
Blue River	MP	K2452	K840S									O			
Boscobel	MP	K2429	K896S		●										
Boscobel	MP	K2429	K897S		●										
Brisbois	MP	K2444	K3362S								O				
Brisbois	MP	K2444	K3359S								O				
Brisbois	MP	K2444	K3358S								O				
Brisbois	MP	K2444	K6071S	●											
Darlington	MP	K2397	K3479S		●										
Darlington	MP	K2397	K3477S		●										
Darlington	MP	K2397	K3478S		●										
Dell Creek	BAR	2844	B3132				O								
Dodgeville	MP	K2396	K466S						O						
Dodgeville	MP	K2396	K424S						O						
Dodgeville	MP	K2396	K274S						O						
Dodgeville	MP	K2396	K182S						O						
Dodgeville	MP	K2396	K744S						O						
Eden	MP	K2445	K3309S					O							
Eden	MP	K2445	K3310S					O							
Eden	MP	K2445	K3311S					O							
Elmo	MP	K2435	K847S				O								
Elmo	MP	K2435	K846S				O								
Forward	MP	K2351	K3307S						O						
Gays Mills	MP	K2447	K269S				O								
Gays Mills	MP	K2447	K267S				O								
Gays Mills	MP	K2447	K268S				O								
Hillside	MP	K2426	K102S										O		
Hillside	MP	K2426	K89S										O		
Hillside	MP	K2426	K118S										O		
Hillside	MP	K2426	K101S										O		
Hooterville	MP	K2449	K3336S				O						O		
Hooterville	MP	K2449	K3338S				O								

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Hooterville	MP	K2449	K3337S				O								
Island	BAR	B2832	B486S	●											
Island	BAR	B2832	B465S	●											
Island	BAR	B2832	B445S	●											
Island	BAR	B2832	B37S	●											
Ishnala	BAR	2845	B1940				O								
Ishnala	BAR	2845	B1941				O								
Kieler	MP	K2432	K864S			O									
Kieler	MP	K2432	K863S			O									
Kieler	MP	K2432	K865S			O									
Lancaster	MP	K2428	K2882S								O				
Lancaster	MP	K2428	K2884S								O				
Lancaster	MP	K2428	K2883S								O				
Lancaster (town)	MP	K2417	K709S				O								
Lancaster (town)	MP	K2417	K708S				O								
Lancaster (town)	MP	K2417	K705S				O								
Lancaster (town)	MP	K2417	K687S				O								
Lands End	MP	K2454	K3636S				O								
Lands End	MP	K2454	K3638S				O								
Lands End	MP	K2454	K3637S				O				O				
Loch Mirror	BAR	B2837	B796S					O							
Loch Mirror	BAR	B2837	B761S								O				
Loch Mirror	BAR	B2837	B1687S								O				
Loch Mirror	POR	B2837	B783S				O								
Loganville	BAR	B2834	B152S								O				
Loganville	BAR	B2834	B174S			O									
Loganville	BAR	B2834	B168S			O									
Lone Rock	MP	K2411	K893S										O		
Lone Rock	MP	K2411	K892S										O		
Lone Rock	MP	K2411	K894S										O		
Mazomanie	BAR	B2358	B463S						O						
Mazomanie	BAR	B2358	B462S					O							
Mazomanie	BAR	B2358	B464S						O						
McGregor	MP	K2406	K836S			O									
McGregor	MP	K2406	K675S			O									
McGregor	MP	K2406	K670S			O									
McGregor	MP	K2406	K830S			O									
Merrimac	BAR	B2839	B962S							O					
Merrimac	BAR	B2839	B938S							O					
Merrimac	BAR	B2839	B934S							O					
Mineral Point	MP	K2399	K379S			O									
Mineral Point	MP	K2399	K378S			O									
Mineral Point	MP	K2399	K388S			O									
Mineral Point	MP	K2399	K380S			O									
Mineral Point	MP	K2399	K381S			O									
Moore St	BAR	B2841	B231S							O					
Moore St	BAR	B2841	B223S							O					
Moore St	BAR	B2841	B198S							O					
Moore St	BAR	B2841	B443S							O					
Moore St	BAR	B2841	B276S							O					
Nelson Dewey	MP	2040	K8			O									
Nelson Dewey	MP	2040	K13			O									
New Hollandale	MP	K2453	K3316S							O					
New Hollandale	MP	K2453	K3312S							O					
New Hollandale	MP	K2453	K3315S							O					
Okee	BAR	B2836	B861S									O			

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Okee	BAR	B2836	B482S									O			
Pine River	MP	K2456	K3607S				O								
Pine River	MP	K2456	K3808S				O								
Pine River	MP	K2456	K3606S				O								
Pioneer	MP	K2442	K264S						O						
Pioneer	MP	K2442	K263S						O						
Pioneer	MP	K2442	K265S						O						
Potosi	MP	K2451	K986S										O		
Potosi	MP	K2451	K985S										O		
Potosi	MP	K2451	K984S										O		
Prairie Du Sac	BAR	B2840	B1060S									O			
Prairie Du Sac	BAR	B2840	B1040S									O			
Prairie Du Sac	BAR	B2840	B1050S									O			
Reedsburg	BAR	B2828	B862S									O			
Reedsburg	BAR	B2828	B1028S			O									
Rewey	MP	K2403	K143S		●										
Rewey	MP	K2403	K145S		●										
Rewey	MP	K2403	K142S		●									Y	Repaired
Richland	MP	K2443	K982S			O									
Richland	MP	K2443	K1027S			O									
Rock Springs	BAR	B2838	B1002S							O					
Rock Springs	BAR	B2838	B1005S				O								
Rock Springs	BAR	B2838	B1004S							O					
Rock Springs	BAR	B2838	B1003S							O					
Sauk Prairie	BAR	B2833	B296S									O			
Sauk Prairie	BAR	B2833	B246S	O			O								
Seneca	MP	K2431	K916S									O			
Seneca	MP	K2431	K925S									O			
Shullsburg	MP	K2413	K991S										O		
Shullsburg	MP	K2413	K995S	O			O								
Spring Green	MP	K2398C	K3753S	●											
Spring Green	MP	K2398C	K3754S	●											
Spring Green	MP	K2398A	K738S	●											
Spring Green	MP	K2398A	K766S	●											
Spring Green	MP	K2398A	K3755	●											
Troy	BAR	B2842	B1293S									O			
Troy	BAR	B2842	B1294S										O		
Wauzeka	MP	K2436	K857S						O						
Wyoming Valley	MP	K2448	K3428S										O		
Wyoming Valley	MP	K2448	K4771										O		
Wyoming Valley	MP	K2448	K3426S										O		

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
SOUTHEAST															
3rd St	BVD	F2722	F26S			O									
3rd St	BVD	F2722	F27S			O									
3rd St	BVD	F2722	F28S			O									
Albany	MON	N2330	N4232S									O		Y	Repaired
Albany	MON	N2330	N4233S									O			
Albany	MON	N2330	N4235S									O			
Belleville	DNC	N2353	L1140S									O			
Belleville	DNC	N2353	L1142S									O			
Belleville	DNC	N2353	N6280S									O		Y	Repaired
Blackhawk	BEL	J2010	J1683S							O				Y	Repaired
Blackhawk	BEL	J2010	J1684S							O					
Blackhawk	BEL	J2010	J1685S							O					
Blackhawk	BEL	J2010	J1686S							O					
Blackhawk	BEL	J2010	J1687S								O				
Blackhawk	BEL	J2010	J1688S								O				
Blackhawk	BEL	J2010	J1689S								O				
Blacksmith	MON	N2327	N1455S									O			
Blacksmith	MON	N2327	N1456S										O		
Blacksmith	MON	N2327	N1457S										O		
Brick Church	LG	M2226	M1822S										O		
Brick Church	LG	M2226	M1823S										O		
Bristol	LG	M2216	M23S							O					
Bristol	LG	M2216	M817S							O				Y	Repaired
Bristol	LG	M2216	M866S							O					
Bristol	LG	M2216	M1515S							O					
Bristol	LG	M2216	M2425S							O					
Brodhead	MON	N2326	N2088S									O		Y	Scheduled
Brodhead	MON	N2326	N2089S			O									
Brooklyn	DNC	N2372	N4371S										O		
Brooklyn	DNC	N2372	N4372S										O		
Brooklyn	DNC	N2372	N4373S										O		
Browntown	MON	N2310	L1478S									O			
Browntown	MON	N2310	L922S							O					
Browntown	MON	N2310	N6800S							O					
Burke	DNC	N2377	N7211S						O						
Burke	DNC	N2377	N7215S						O						
Burke	DNC	N2377	N7214S			O									
Burke	DNC	N2377	N7216S						O						
Burke	DNC	N2377	N7217S						O						
Caledonia	POR	C2869	C942S						O						
Caledonia	POR	C2869	C943S						O						
Caledonia	POR	C2869	C944S						O						
Cambria	BVD	F2725	F325S		●										
Cambria	BVD	F2725	F329S			O									
Cambridge	DNC	N2347	N5161S	●											
Cambridge	DNC	N2347	N5163S	●											
Cambridge	DNC	N2347	N5164S	●											
Cambridge	DNC	N2347	N5165S	●											
Center St	BVD	F2727	F911S	●											
Center St	BVD	F2727	F978S	●											
Center St	BVD	F2727	F1319S	●											
Center St	BVD	F2727	F1320S	●											
Clinton	BEL	J2140	J102S				O								
Clinton	BEL	J2140	J335S				O							Y	Scheduled

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Clinton	BEL	J2140	J340S				O								
Colladay Point	DNC	N2379	N7253S			O									
Colladay Point	DNC	N2379	N7254S				O								
Colladay Point	DNC	N2379	N7255S				O								
Cottage Grove	DNC	N2354	N1427S	●											
Cottage Grove	DNC	N2354	N1431S		●										
Cottage Grove	DNC	N2354	N1435S		●										
Cranston	BEL	J2190	J938S										O		
Cranston	BEL	J2190	J991S										O		
Cranston	BEL	J2190	J992S										O		
Cranston	BEL	J2190	J993S										O		
Cross Country	DNC	N2373	N5961S		●									Y	Repaired
Cross Country	DNC	N2373	N5962S		●									Y	Repaired
Cross Country	DNC	N2373	N5963S		●										
Cross Country	DNC	N2373	N5964S		●									Y	Repaired
Cross Country	DNC	N2373	N5965S		●									Y	Repaired
Cross Plains	DNC	N2359	N542S		●										
Dana	JV	N2274	N2736S		●		O								
Dana	JV	N2274	N2737S									O			
Dane	DNC	N2363	N617S	●											
Dane	DNC	N2363	N618S	●											
Darien	LG	M2225	M1420S					O							
Darien	LG	M2225	M1502S					O							
Darien	LG	M2225	M1512S							O					
Deerfield	DNC	N2374	N6043S									O			
Deerfield	DNC	N2374	N6044S									O			
Deerfield	DNC	N2374	N6045S									O			
Deerfield	DNC	N2374	N6054S									O			
Deerfield	DNC	N2374	N6055S									O			
DeForest	DNC	N2362	N2161S										O		
DeForest	DNC	N2362	N2162S										O		
DeForest	DNC	N2362	N2163S	●											
DeForest	DNC	N2362	N2165S										O		
DeForest	DNC	N2362	N6976S	●											
Delavan	LG	M2215	M248S									O		Y	Repaired
Delavan	LG	M2215	M605S									O		Y	Scheduled
Delavan	LG	M2215	M628S									O			
Delavan	LG	M2215	M1516S									O			
Dickinson	BEL	J2191	J1134S		●										
Dickinson	BEL	J2191	J1135S				O								
Dickinson	BEL	J2191	J1136S						O						
Dickinson	BEL	J2191	J1137S						O						
Dickinson	BEL	J2191	J1145S				O								
Dickinson	BEL	J2191	J1146S				O								
Dickinson	BEL	J2191	J1175S				O								
E Rockton	BEL	J2188	J1757S							O					
E Rockton	BEL	J2188	J1862S							O				Y	Scheduled
E Rockton	BEL	J2188	J531S							O				Y	Repaired
E Rockton	BEL	J2188	J535S							O				Y	Repaired
E Rockton	BEL	J2188	J539S						O						
East Beloit	BEL	J2196	J611S					O							
East Beloit	BEL	J2196	J612S								O				
East Beloit	BEL	J2196	J613S								O				
East Beloit	BEL	J2196	J615S								O				
Fall River	POR	C2867	C377S			O									
Fall River	POR	C2867	C412S			O									

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Fall River	POR	C2867	C593S			O									
Footville	JV	N2254	N276S		●										
Footville	JV	N2254	N445S		●										
Footville	JV	N2254	N2768S			O									
Forward	MP	K2351	K3306S	●											
Fox Lake	BVD	F2731	F41S					O							
Fox Lake	BVD	F2731	F42S					O							
Gaston Rd	DNC	2385	N11099				O								
Gaston Rd	DNC	2385	N11100				O								
Gaston Rd	DNC	2385	N11101				O								
Hamilton	POR	C2868	C1076S			O								Y	Repaired
Hamilton	POR	C2868	C1077S		●										
Hampden	POR	C2864	C35S			O									
Hampden	POR	C2864	C36S			O									
Horicon	BVD	F2719	F57S				O								
Horicon	BVD	F2719	F80S				O								
Horicon	BVD	F2719	F83S				O								
Horicon	BVD	F2719	F86S				O								
Horicon	BVD	F2719	F89S				O							Y	Repaired
Horicon Industrial	BVD	2733	1418				O								
Horicon Industrial	BVD	2733	508				O								
Idle Hour	MON	N2329	N1952S					O							
Idle Hour	MON	N2329	N1954S					O						Y	Scheduled
Idle Hour	MON	N2329	N1955S					O						Y	Scheduled
Idle Hour	MON	N2329	N1956S					O						Y	Scheduled
Industrial Park	POR	C2863	C760S				O								
Industrial Park	POR	C2863	C761S				O								
Industrial Park	POR	C2863	C762S				O								
Industrial Park	POR	C2863	C763S	●											
Industrial Park	POR	C2863	C769S	●											
Industrial Park	POR	C2863	C1212S	●											
Industrial Park	POR	C2863	C738S								O				
Janesville General	JV	N2246	N28S										O		
Janesville General	JV	N2246	N184S	●											
Janesville General	JV	N2246	N352S										O		
Janesville General	JV	N2246	N415S	●											
Janesville General	JV	N2246	N502S	●											
Janesville General	JV	N2246	N1234S								O				
Janesville General	JV	N2246	N1236S								O				
Janesville General	JV	N2246	N3311S	●											
Janesville General	JV	N2246	N3312S	●											
Katzenberg	LG	M2220	M432S				O								
Katzenberg	LG	M2220	M433S				O								
Katzenberg	LG	M2220	M1032S									O			
Katzenberg	LG	M2220	M1437S									O			
Kilbourn	POR	B2060	X40S	●											
Kilbourn	POR	B2060	X67S	●											
Kilbourn	POR	B2060	X69S	●											
Koch Oil	BVD	F2732	F20S				O								
La Mar	JV	N2269	N1215S		●									Y	Repaired
La Mar	JV	N2269	N1219S	●											
La Mar	JV	N2269	N1223S		●										
Lake Geneva	LG	M2213	M1S										O		
Lake Geneva	LG	M2213	M711S										O		
Lake Geneva	LG	M2213	M851S										O		
Lake Geneva	LG	M2213	M853S										O		

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Lake Geneva	LG	M2213	M1382S										O		
Liberty	JV	N2306	N3522S							O					
Liberty	JV	N2306	N3523S							O					
Liberty	JV	N2306	N3524S							O					
London	DNC	N2375	N2371S							O					
London	DNC	N2375	N2373S					O							
Manley Sand	POR	C2856	C464S	●											
Manley Sand	POR	C2856	C465S	●											
Manley Sand	POR	C2856	C1107S	●											
Marine	BEL	J2192	J1283S								O				
Marine	BEL	J2192	J1284S								O				
Marine	BEL	J2192	J1791S								O				
Mayville	BVD	F2717	F405S						O					Y	Repaired
Mayville	BVD	F2717	F1187S						O					Y	Scheduled
Mayville	BVD	F2717	F1214S						O					Y	Scheduled
Mayville	BVD	F2717	F1216S						O					Y	Repaired
McCue	JV	N2273	N1641S		●										
McCue	JV	N2273	N1642S		●									Y	Scheduled
McCue	JV	N2273	N1643S		●										
McCue	JV	N2273	N7727S		●										
McFarland	DNC	N2355	N1110S			O								Y	Repaired
McFarland	DNC	N2355	N1112S			O									
McFarland	DNC	N2355	N1113S			O								Y	Repaired
McFarland	DNC	N2355	N1114S			O								Y	Repaired
Milton Lawn	JV	N2260	N522S								O				
Milton Lawn	JV	N2260	N528S								O				
Milton Lawn	JV	N2260	N572s								O				
Milton Lawn	JV	N2260	N652S	●											
Milton Lawn	JV	N2260	N3608S								O				
Monroe Central	MON	N2307	N1959S						O						
Monroe Central	MON	N2307	N2042S						O						
Monroe Central	MON	N2307	N2043S	●											
Monroe Central	MON	N2307	N2044S	●											
Monticello	MON	N2311	L687S							O					
Monticello	MON	N2311	L691S	●											
Monticello	MON	N2311	N1025S							O					
Monticello	MON	N2311	N2019S	●											
Mount Horeb	DNC	N2361	N1073S								O				
Mount Horeb	DNC	N2361	N1077S								O				
Mount Horeb	DNC	N2361	N1081S								O				
Mount Horeb	DNC	N2361	N6889S								O				
N Beaver Dam	BVD	F2718	F752S		●										
N Beaver Dam	BVD	F2718	F756S		●										
N Beaver Dam	BVD	F2718	F760S		●										
N Beaver Dam	BVD	F2718	F764S		●										
N Lake Geneva	LG	M2214	M835S										O		
N Lake Geneva	LG	M2214	M839S										O		
N Lake Geneva	LG	M2214	M1243S										O		
N Lake Geneva	LG	M2214	M1315S										O		
N Lake Geneva	LG	M2214	M2580S										O		
New Glarus	MON	N2324	L1483S									O			
New Glarus	MON	N2324	L1487S									O			
Northwest Beloit	BEL	J2135	J971S						O						
Northwest Beloit	BEL	J2135	J972S						O						
Northwest Beloit	BEL	J2135	J973S						O						
Oregon	DNC	N2350	N5141S									O			

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Oregon	DNC	N2350	N5142S									O			
Oregon	DNC	N2350	N5143S		●										
Oregon	DNC	N2350	N5144S	●											
Oregon	DNC	N2350	N5145S	●											
Orfordville	JV	N2270	N2770S					O							
Orfordville	JV	N2270	N2771S					O							
Park Ave	BEL	J2195	J1501S					O							
Park Ave	BEL	J2195	J1502S					O							
Park Ave	BEL	J2195	J1503S					O							
Park Ave	BEL	J2195	J1504S					O							
Parkview	JV	N2271	N1557S	●											
Parkview	JV	N2271	N2249S	●											
Parkview	JV	N2271	N2250S	●											
Parkview	JV	N2271	N3645S	●											
Penda	POR	C2870	C1104S			O									
Penda	POR	C2870	C1105S			O									
Penda	POR	C2870	C1118S			O									
Pleasant View	DNC	N2383	N8401S									O			
Pleasant View	DNC	N2383	N8404S									O			
Pleasant View	DNC	N2383	N8405S									O			
Portage	POR	C2851B	C393S			O									
Portage	POR	C2851B	C552S	●											
Portage	POR	C2851B	C553S	●											
Portage	POR	C2851B	C757S	●											
Portage	POR	C2851B	C801S	●											
Poynette	POR	C2852	C167S		●				O						
Poynette	POR	C2852	C430S		●				O						
Poynette	POR	C2852	C631S		●				O						
Poynette	POR	C2852	C1196S						O						
Randolph	BVD	F2721	F30S			O								Y	Scheduled
Randolph	BVD	F2721	F31S			O								Y	Repaired
Randolph	BVD	F2721	F32S			O								Y	Repaired
Rio	POR	C2866	C409S		●				O						
Rio	POR	C2866	C410S						O						
Rio	POR	C2866	C411S						O						
Russell	JV	2276	31				O								
Russell	JV	2276	32				O								
Saunders Creek	JV	N2266	N645S		●										
Saunders Creek	JV	N2266	N678S		●										
Saunders Creek	JV	N2266	N897S			O									
Sharon	LG	M2219	M519S		●							O			
Sharon	LG	M2219	M911S		●							O			
Shaw	BEL	J2189	J1797S						O						
Shaw	BEL	J2189	J672S						O					Y	Repaired
Shaw	BEL	J2189	J676S						O					Y	Repaired
Shaw	BEL	J2189	J680S						O						
Shaw	BEL	J2189	J699S		●										
Sheepskin	JV	N2255	N611S						O						
Sheepskin	JV	N2255	N620S						O						
Shirland Ave	BEL	J2193	J52S				O								
Shirland Ave	BEL	J2193	J53S				O								
Shirland Ave	BEL	J2193	J54S				O								
S Lake Geneva	LG	M2232	M2726	●											
S Lake Geneva	LG	M2232	M2728				O								
S Lake Geneva	LG	M2232	M2729				O								
South Beaver Dam	BVD	F2729	F1654					O							

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
South Monroe	MON	N2306	L1255S								O				
South Monroe	MON	N2306	L193S				O								
South Monroe	MON	N2306	L725S				O							Y	Scheduled
South Monroe	MON	N2306	L729S				O							Y	Scheduled
South Monroe	MON	N2306	N1259S				O							Y	Scheduled
South Monroe	MON	N2306	N5500S				O								
Spring Grove	MON	N2322	L907S					O							
Spring Grove	MON	N2322	L937S					O							
Springbrook	BVD	F2730	F376S					O							
Springbrook	BVD	F2730	F377S					O						Y	Scheduled
Springbrook	BVD	F2730	F378S					O						Y	Repaired
Stoughton	DNC	N2346	N3214S	●											
Stoughton	DNC	N2346	N3216S	●											
Sun Prairie	DNC	N2364	N1071S				O								
Sun Prairie	DNC	N2364	N1075S				O								
Sunrise	JV	N2277	N6604S			O								Y	Scheduled
Sunrise	JV	N2277	N6605S					O							
Sunrise	JV	N2277	N6606S					O							
Sunrise	JV	N2277	N6607S					O							
Timber Lane	DNC	N2368	N3915S									O			
Timber Lane	DNC	N2368	N3916S									O			
Token Creek	DNC	N2370	N2441S	●											
Token Creek	DNC	N2370	N2442S	●											
Token Creek	DNC	N2370	N2443S	O		O									
Token Creek	DNC	N2370	N2444S	●											
Traxler	JV	N2267	N405S							O					
Traxler	JV	N2267	N616S							O					
Traxler	JV	N2267	N637S							O					
Traxler	JV	N2267	N4094S							O					
Turtle	BEL	J2031	J532S							O				Y	Repaired
Turtle	BEL	J2031	J533S							O					
Turtle	BEL	J2031	J534S							O					
Twin Lakes	LG	M2228	M1652S									O			
Twin Lakes	LG	M2228	M1653S									O			
Verona	DNC	N2352	N2859S										O	Y	Repaired
Verona	DNC	N2352	N2860S										O	Y	Repaired
Verona	DNC	N2352	N2861S										O	Y	Repaired
Verona	DNC	N2352	N2862S										O		
Viking	JV	N2272	N1070S			O									
Viking	JV	N2272	N2257S				O							Y	Scheduled
Viking	JV	N2272	N2258S				O								
Viking	JV	N2272	N2288S				O								
Viking	JV	N2272	N6442S				O								
Walworth	LG	M2211	M348S							O					
Walworth	LG	M2211	M821S							O					
Walworth	LG	M2211	M885S							O					
Walworth	LG	M2211	M1410S							O					
Waupun	BVD	F2724	F170S					O						Y	Repaired
Waupun	BVD	F2724	F174S					O						Y	Repaired
West Towne	DNC	N2367	N1836S					O							
West Towne	DNC	N2367	N3014S					O							
West Towne	DNC	N2367	N3015S					O							
West Towne	DNC	N2367	N3016S					O							
West Towne	DNC	N2367	N3017S					O							
West Towne	DNC	N2367	N7156S					O							
Williams Bay	LG	M2230	M2555S								O				

SUBNAME	Dist	B2 Map	Circuit	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Williams Bay	LG	M2230	M2556S								O				
Williams Bay	LG	M2230	M2557S								O				
Williams Bay	LG	M2230	M2558S	●											
Wiota	MON	N2314	N1076S								O				
Wiota	MON	N2314	N463S								O				
Yahara	DNC	2384	N4096				O								
Yahara	DNC	2384	N4097				O								
Yahara	DNC	2384	N4100				O								
Zenda	LG	M2227	M1224S								O				
Zenda	LG	M2227	M1231S								O				
Zenda	LG	M2227	M1240S								O				
Zenda	LG	M2227	M1253S								O				

Substation Inspection (Status).

Maintenance Zone	Substation Name	Inspected? Y/N	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Northeast	20th St	Y	N	
Northeast	32nd St	Y	N	
Northeast	3rd St	Y	N	
Northeast	Alto	Y	N	
Northeast	Amherst Junction	Y	N	
Northeast	Arnott	Y	N	
Northeast	Auburndale	Y	N	
Northeast	Baraboo Sub	Y	N	
Northeast	Belle Plain - WPL	Y	N	
Northeast	Berlin	Y	N	
Northeast	Biramwood	Y	N	
Northeast	Bowler	Y	N	
Northeast	Brandon	Y	N	
Northeast	Brooks Corner	Y	N	
Northeast	Caledonia	Y	N	
Northeast	Cambria	Y	N	
Northeast	Camp Douglas	Y	N	
Northeast	Center St	Y	N	
Northeast	Council Creek	Y	N	
Northeast	Dam Heights	Y	N	
Northeast	Dartford 1	Y	N	
Northeast	Deer Trail	Y	N	
Northeast	Dell Creek	Y	N	
Northeast	Dorset Corners	Y	N	
Northeast	E Scott St	Y	N	
Northeast	Edgewater	Y	Y	Repaired
Northeast	Erdman	Y	Y	Repaired
Northeast	Fall River	Y	N	
Northeast	Fountain Valley	Y	N	
Northeast	Fox Lake	Y	N	
Northeast	Fox River	Y	N	

Maintenance Zone	Substation Name	Inspected? Y/N	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Northeast	Friendship	Y	N	
Northeast	Hamilton	Y	N	
Northeast	Hampden	Y	N	
Northeast	Hancock	Y	N	
Northeast	Hickory St	Y	N	
Northeast	Hillsboro	Y	N	
Northeast	Hilltop	Y	N	
Northeast	Horicon	Y	N	
Northeast	Horicon Ind Pk	Y	N	
Northeast	Houghton Rock	Y	N	
Northeast	Huebner	Y	N	
Northeast	Iola	Y	N	
Northeast	Ishnala	Y	N	
Northeast	Island	Y	N	
Northeast	Keshena	Y	N	
Northeast	Kettle Moraine	Y	N	
Northeast	Kilbourn	Y	N	
Northeast	Lake Delton	Y	N	
Northeast	Ledgeview	Y	N	
Northeast	Loch Mirror	Y	N	
Northeast	Lodestar	Y	N	
Northeast	Loganville	Y	N	
Northeast	Lyndon Station	Y	N	
Northeast	Mackford Prairie	Y	N	
Northeast	Macy Street	Y	N	
Northeast	Manawa	Y	N	
Northeast	Manley	Y	N	
Northeast	Marion	Y	N	
Northeast	Markesan	Y	N	
Northeast	Mauston	Y	N	
Northeast	Mayville	Y	N	
Northeast	Merrimac	Y	N	
Northeast	Montello	Y	N	
Northeast	Moore St	Y	N	
Northeast	Morris St	Y	N	
Northeast	N Beaver Dam	Y	N	
Northeast	N Fond du Lac	Y	N	
Northeast	Necedah	Y	N	
Northeast	Neenah Creek	Y	N	
Northeast	Neopit	Y	N	
Northeast	Nicolet	Y	N	
Northeast	North Tomah	Y	N	
Northeast	Northgate	Y	N	
Northeast	Northwest Ripon	Y	N	
Northeast	Oakfield	Y	N	
Northeast	Okee	Y	N	
Northeast	Omro	Y	N	
Northeast	Pittsville	Y	N	
Northeast	Plainfield	Y	N	

Maintenance Zone	Substation Name	Inspected? Y/N	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Northeast	Polar	Y	N	
Northeast	Port Edwards Sub	Y	N	
Northeast	Portage	Y	Y	Repaired
Northeast	Portage Ind Park	Y	N	
Northeast	Poynette	Y	N	
Northeast	Prairie du Sac	Y	N	
Northeast	Princeton	Y	N	
Northeast	Randolph	Y	N	
Northeast	Red Granite	Y	N	
Northeast	Reedsburg	Y	N	
Northeast	Rienzi Rd	Y	N	
Northeast	Rio	Y	N	
Northeast	Rio Pumping Sta	Y	N	
Northeast	Ripon	Y	Y	Repaired
Northeast	Ripon Industrial Park	Y	N	
Northeast	River Run	Y	N	
Northeast	Riverside-WI	Y	N	
Northeast	Rock Springs	Y	N	
Northeast	Roeder	Y	N	
Northeast	Rosendale	Y	N	
Northeast	Rosholt	Y	N	
Northeast	Rozellville	Y	N	
Northeast	Rudolph	Y	N	
Northeast	S Beaver Dam	Y	N	
Northeast	S Fond du Lac	Y	N	
Northeast	Saratoga	Y	N	
Northeast	Sauk Prairie	Y	N	
Northeast	Sauk Trail	Y	N	
Northeast	Shawano	Y	N	
Northeast	Sheboygan Falls	Y	N	
Northeast	Silver Lake	Y	N	
Northeast	Spring Brook	Y	N	
Northeast	Tilleda	Y	N	
Northeast	Tomah Ind Park	Y	N	
Northeast	Trienda	Y	N	
Northeast	Troy	Y	N	
Northeast	Union Center	Y	N	
Northeast	Verns Wood Fiber	Y	N	
Northeast	Vesper	Y	N	
Northeast	Washington Sub	Y	N	
Northeast	Waupun	Y	N	
Northeast	Wautoma	Y	N	
Northeast	West Mauston	Y	N	
Northeast	Wild Rose	Y	N	
Northeast	Willow Lawn	Y	N	
Northeast	Winneconne	Y	N	
Northeast	Wittenberg	Y	N	
Northeast	Wonewoc	Y	N	
Southeast	Albany	Y	N	

Maintenance Zone	Substation Name	Inspected? Y/N	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Southeast	Arena	Y	N	
Southeast	Badger Pumping Station	Y	N	
Southeast	Belleville	Y	N	
Southeast	Belmont	Y	N	
Southeast	Benton	Y	N	
Southeast	Blackhawk	Y	N	
Southeast	Blacksmith	Y	N	
Southeast	Blanchardville	Y	N	
Southeast	Bloomington	Y	N	
Southeast	Blue River	Y	N	
Southeast	Boscobel	Y	N	
Southeast	Brick Church	Y	N	
Southeast	Brisbois	Y	N	
Southeast	Bristol	Y	N	
Southeast	Brodhead Tap	Y	N	
Southeast	Brooklyn	Y	N	
Southeast	Browntown	Y	N	
Southeast	Burke	Y	Y	Repaired
Southeast	Cambridge	Y	N	
Southeast	Clinton-Beloit	Y	N	
Southeast	Colladay	Y	N	
Southeast	Cottage Grove	Y	N	
Southeast	Cranston	Y	N	
Southeast	Cross Country	Y	N	
Southeast	Dana	Y	N	
Southeast	Dane	Y	Y	Repaired
Southeast	Darlington	Y	N	
Southeast	Deerfield	Y	N	
Southeast	Deforest	Y	N	
Southeast	Delavan Wisc	Y	N	
Southeast	Dickinson	Y	N	
Southeast	Dodgeville	Y	N	
Southeast	E Beloit	Y	N	
Southeast	E Rockton	Y	N	
Southeast	Eden	Y	N	
Southeast	Elmo	Y	N	
Southeast	Footville	Y	N	
Southeast	Forward	Y	Y	Repaired
Southeast	Gaston Road	Y	N	
Southeast	Gays Mills	Y	N	
Southeast	General	Y	N	
Southeast	Hillside	Y	N	
Southeast	Hollandale	Y	N	
Southeast	Hooterville	Y	N	
Southeast	Idle Hour	Y	Y	Repaired
Southeast	Katzenberg	Y	N	
Southeast	Kieler	Y	N	
Southeast	Lake Geneva Dwntn	Y	N	
Southeast	Lamar	Y	N	

Maintenance Zone	Substation Name	Inspected? Y/N	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Southeast	Lancaster 138	Y	Y	Repaired
Southeast	Lancaster Dist Sub	Y	N	
Southeast	Lands End	Y	N	
Southeast	London	Y	N	
Southeast	Lone Rock	Y	N	
Southeast	Marine	Y	N	
Southeast	Mazomanie	Y	N	
Southeast	McCue	Y	N	
Southeast	McFarland	Y	N	
Southeast	McGregor	Y	N	
Southeast	Milton Lawn	Y	N	
Southeast	Mineral Point Sub	Y	N	
Southeast	Monroe Central	Y	N	
Southeast	Monticello-WI	Y	N	
Southeast	Mount Horeb	Y	N	
Southeast	N Lake Geneva	Y	N	
Southeast	Nelson Dewey	Y	N	
Southeast	New Avoca	Y	N	
Southeast	New Glarus	Y	N	
Southeast	NW Beloit	Y	N	
Southeast	Oregon	Y	N	
Southeast	Orfordville	Y	Y	Repaired
Southeast	Park Avenue	Y	N	
Southeast	Parkview-WI	Y	N	
Southeast	Pine River	Y	N	
Southeast	Pioneer	Y	N	
Southeast	Pleasant View	Y	N	
Southeast	Potosi	Y	N	
Southeast	Rewey	Y	N	
Southeast	Richland	Y	N	
Southeast	Rock River	Y	N	
Southeast	Russell	Y	N	
Southeast	S Lake Geneva	Y	N	
Southeast	S Monroe	Y	N	
Southeast	Saunders Creek	Y	N	
Southeast	Seneca	Y	N	
Southeast	Sharon	Y	N	
Southeast	Shaw	Y	N	
Southeast	Sheepskin	Y	Y	Repaired
Southeast	Shirland	Y	N	
Southeast	Shullsburg	Y	N	
Southeast	Spring Green	Y	Y	Repaired
Southeast	Spring Grove	Y	N	
Southeast	Stoughton Sub	Y	N	
Southeast	Sun Prairie	Y	N	
Southeast	Sunrise	Y	N	
Southeast	Timber Lane	Y	N	
Southeast	Token Creek	Y	N	
Southeast	Traxler	Y	N	

Maintenance Zone	Substation Name	Inspected? Y/N	Critical Condition Found? Y/N	Repaired or Scheduled for Repair
Southeast	Tripp Road	Y	N	
Southeast	Turtle	Y	N	
Southeast	Twin Lakes	Y	N	
Southeast	Venture	Y	N	
Southeast	Verona Sub	Y	N	
Southeast	Viking	Y	N	
Southeast	W Darien	Y	N	
Southeast	W Towne	Y	N	
Southeast	Walworth	Y	N	
Southeast	Wauzeka	Y	N	
Southeast	Williams Bay	Y	N	
Southeast	Wiota	Y	N	
Southeast	Wyoming Valley	Y	N	
Southeast	Yahara River	Y	N	
Southeast	Zenda	Y	N	



ALLIANT ENERGY.

Memorandum

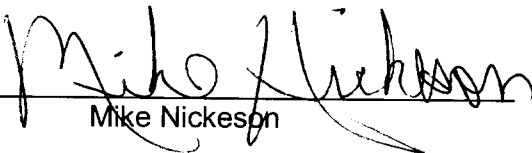
DATE: April 10, 2003
TO: Wisconsin Public Service Commission
FROM: Mike Nickeson, General Manager of Asset Care
RE: WP&L annual reporting per rule 113.0607

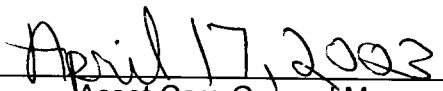
The following submissions (Attachment(s) 1) report on preventive maintenance activities at reporting facilities relative to the preventive maintenance plan filed with the PSC. The original submission outlined *planned* preventive maintenance activities and frequency for the year ending 2002. This submission reports *performed* preventive maintenance activities at Wisconsin Power and Light facilities for the year ending 2002.

In summary, the reports indicate no unwarranted exceptions to planned preventive maintenance activities at WP&L facilities. There are two minor exceptions to the previously submitted plan, affecting the Edgewater Units 3 and 5. There are several revisions to Edgewater and South Fond du Lac Units. The revisions represent adoption of new condition monitoring technologies and adoption of inspection intervals that are usage-based instead of time-based.

The exceptions and revisions are listed by location and unit in both print and electronic format. The revisions, which serve to improve reliability, are highlighted in the electronic file for easy identification.

Attachment(s) 2 represent the annual operating information required by the rule.


Mike Nickeson


Asset Care General Manager

ATTACHMENT 1

Wisconsin Power & Light**Preventive Maintenance Plan Annual Report**

Year Ended December 31, 2002

GENERAL INFORMATION

Wisconsin Power & Light Columbia Units 1 and 2 have complied with the Wisconsin Power & Light Preventive Maintenance Plan for the Public Service Commission Rule 113.0607 Electric Generation Wisconsin Facilities except as noted below:

Exceptions:		
No exceptions on Unit 1		
No exceptions on Unit 2		
Revisions (both Units) to plan:		
System/Equipment	Activity	Frequency

Insert additional sheet(s) as required for detailed statement.

Utility official responsible for the above certification statement:

Kevin A. Spachman
(Name)

Plant Manager
(Title)

ATTACHMENT 2

<u>Plant / Unit Performance Data</u>	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
COLUMBIA	UNIT 1
Technology Type and Primary Fuel	Pulverized Coal
Net Dependable Capacity - Summer	510 MW
Net Dependable Capacity - Winter	515 MW
Net Capacity Factor	72.32
Forced Outage Rate	4.80
Scheduled Outage Factor	14.61
Net Heat Rate	10,800
Net Generation (MWh)	3,230,950 MWh
Fuel Consumed (1000 tons coal)	2,042.440
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	39,480 gallons

ATTACHMENT 2

<u>Plant / Unit Performance Data</u>	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
COLUMBIA	UNIT 2
Technology Type and Primary Fuel	Pulverized Coal
Net Dependable Capacity - Summer	505 MW
Net Dependable Capacity - Winter	510 MW
Net Capacity Factor	73.27
Forced Outage Rate	9.73
Scheduled Outage Factor	8.09
Net Heat Rate	10,728
Net Generation (MWh)	3,241,204 MWh
Fuel Consumed (1000 tons coal)	2,046.870
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	684,180 gallons

ATTACHMENT 1

Wisconsin Power & Light**Preventive Maintenance Plan Annual Report**

Year Ended December 31, 2002


GENERAL INFORMATION


Wisconsin Power & Light Edgewater Units 3,4 and 5 have complied with the Wisconsin Power & Light Preventive Maintenance Plan for the Public Service Commission Rule 113.0607 Electric Generation Wisconsin Facilities except as noted below:

Exceptions:		
One exceptions for Unit 3:		
No exceptions for Unit 4		
One exception for Unit 5:		
System/Equipment	Activity	Frequency
Unit 5 Generator	NDE, Scheduled/Planned Insp	14 Years
		Extended due to HIT Skid test results and addition of SLMS and H2 Dew Point Monitors
Unit 3 Piping	Special Risk	Inspection Scheduled for Fall '02 in 2001 Plan.
		Inspection Rescheduled to Fall '04 due to outage time and budget constraints.
Revisions to plan:		
Unit/System/Equipment	Activity	Frequency
Unit 5 Generator	Special Risk / Stator Leaks	Continuous – SLMS Installed
	Special Risk / Stator Leaks	HIT Skid Tested 3/02
	Special Risk / Retaining Rings	Continuous – H2 Dew Point Monitor installed
Unit 5 Feedwater System	Special Risk / Deaerator – 5Y note	Deaerator 100% Weld inspection performed 3/02
Unit 4 Generator	Special Risk / Stator Leaks	Continuous – SLMS Installed
	Special Risk / Stator Leaks	HIT Skid Tested 4/02
Unit 4 Boiler Feed Pumps	Vibration Monitoring	Continuous – system installed 4/02
Unit 4 Feedwater System	Special Risk / Deaerator – 5Y note	Deaerator 100% Weld X-Ray inspection performed 1/03
Unit 3 Steam Piping	Special Risk	Inspection Scheduled for Fall '02

Insert additional sheet(s) as required for detailed statement.

Utility official responsible for the above certification statement:


(Name)


(Title)

ATTACHMENT 2

<u>Plant / Unit Performance Data</u>	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
EDGEWATER	UNIT 3
Technology Type and Primary Fuel	3 – Cyclone Boiler PRB 80% / Bituminous 20%
Net Dependable Capacity – Summer	71 MW
Net Dependable Capacity – Winter	71 MW
Net Capacity Factor*	62.91
Forced Outage Rate*	3.78
Scheduled Outage Factor*	6.97
Net Heat Rate	10,850 – Approx. per Testing
Net Generation (MWh)	396,800 MWh
Fuel Consumed (1000 tons coal)	249.650
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	137,600 gallons

*Note: Summary Statistics from NERC-GADS are not weighted per Month.

ATTACHMENT 2

<u>Plant / Unit Performance Data</u>	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
EDGEWATER	UNIT 4
Technology Type and Primary Fuel**	7 – Cyclone Boiler PRB 100%
Net Dependable Capacity – Summer	312 MW
Net Dependable Capacity – Winter	312 MW
Net Capacity Factor*	61.52
Forced Outage Rate*	6.75
Scheduled Outage Factor*	11.13
Net Heat Rate	9,750 – Approx. per Testing
Net Generation (MWh)	1,800,027 MWh
Fuel Consumed (1000 tons coal)	1,015.750
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	220,610 gallons

*Note: Summary Statistics from NERC-GADS are not weighted per Month.

**Note: Revision from PRB 85% / Bituminous 15% due to equipment upgrades.

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
EDGEWATER	UNIT 5
Technology Type and Primary Fuel	30 Burner Opposed Wall Fired
Net Dependable Capacity – Summer	382 MW
Net Dependable Capacity – Winter	382 MW
Net Capacity Factor*	73.73
Forced Outage Rate*	0.88
Scheduled Outage Factor*	5.99
Net Heat Rate	10,550 – Approx. per Testing
Net Generation (MWh)	2,590,037 MWh
Fuel Consumed (1000 tons coal)	1,505.900
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	181,350 gallons

**Note: Summary Statistics from NERC-GADS are not weighted per Month.*

ATTACHMENT 1

Wisconsin Power & Light**Preventive Maintenance Plan Annual Report**

Year Ended December 31, 2002

GENERAL INFORMATION

Wisconsin Power & Light Nelson Dewey Units 1 and 2 have complied with the Wisconsin Power & Light Preventive Maintenance Plan for the Public Service Commission Rule 113.0607 Electric Generation Wisconsin Facilities except as noted below:

Exceptions:		
No exceptions for Unit 1		
No exceptions for Unit 2		
Revisions to plan:		
No revisions		

Insert additional sheet(s) as required for detailed statement.

Utility official responsible for the above certification statement:

Doug Alexander (Name) Plant Manager (Title)

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
NELSON DEWEY	UNIT 1
Technology Type and Primary Fuel	Cyclone Coal
Net Dependable Capacity - Summer	100 MW
Net Dependable Capacity - Winter	100 MW
Net Capacity Factor	70.99
Forced Outage Rate	0.36
Scheduled Outage Factor	3.93
Net Heat Rate	10,807
Net Generation (MWh)	621,838 MWh
Fuel Consumed (1000 tons coal)	333.99
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	10,687 Gallons

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
NELSON DEWEY	UNIT 2
Technology Type and Primary Fuel	Cyclone Coal
Net Dependable Capacity - Summer	100 MW
Net Dependable Capacity - Winter	100 MW
Net Capacity Factor	62.84
Forced Outage Rate	0.71
Scheduled Outage Factor	16.40
Net Heat Rate	12,346
Net Generation (MWh)	550,497 MWh
Fuel Consumed (1000 tons coal)	338.33
OR	
Fuel Consumed (million cf gas)	
OR	
Fuel Consumed (gallons of fuel oil)	10,272 Gallons

WISCONSIN POWER & LIGHT

Preventive Maintenance Plan Annual Report

Year Ended December 31, 2002

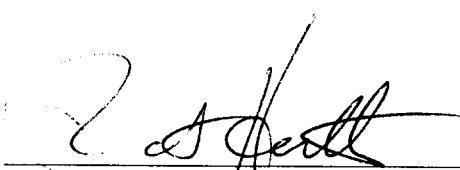
GENERAL INFORMATION

Wisconsin Power & Light **Rock River Units 1 and 2** have complied with the Wisconsin Power & Light Preventive Maintenance Plan for the Public Service Commission Rule 113.0607 Electric Generation Wisconsin Facilities except as noted below:

	Exceptions:	
No exceptions for Unit 1		
No exceptions for Unit 2		
	Revisions to plan:	
No revisions		

Insert additional sheet(s) as required for detailed statement.

Utility official responsible for the above certification statement:


(Name)

PLANT MANAGER 1-15-03
(Title)

A periodic performance report is filed for previous year on or before May 1 of each year.
Data to be filled is as shown below along with report on compliance to the PM Plan.

[illegible]

ATTACHMENT 1

Wisconsin Power & Light**Preventive Maintenance Plan Annual Report**

Year Ended December 31, 2002

GENERAL INFORMATION

Wisconsin Power & Light South Fond du Lac Units 1, 2, 3 and 4 have complied with the Wisconsin Power & Light Preventive Maintenance Plan for the Public Service Commission Rule 113.0607 Electric Generation Wisconsin Facilities except as noted below:

Exceptions:		
No exceptions for SFL Unit 1		
No exceptions for SFL Unit 2		
No exceptions for SFL Unit 3		
No exceptions for SFL Unit 4		
Revisions to plan:		
SFDL Unit 1	Inspections Scheduled/Planned	Changed to XH Note (b) for Compressor, Combustor, Turbine & Generator
SFDL Unit 2	Inspections Scheduled/Planned	Changed to XH Note (b) for Compressor, Combustor, Turbine & Generator
SFDL Unit 3	Inspections Scheduled/Planned	Changed to XH Note (b) for Compressor, Combustor, Turbine & Generator
SFDL Unit 4	Inspections Scheduled/Planned	Changed to XH Note (b) for Compressor, Combustor, Turbine & Generator

Insert additional sheet(s) as required for detailed statement.

Utility official responsible for the above certification statement:

(Name)

(Title)

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
SOUTH FOND DU LAC	UNIT 1
Technology Type and Primary Fuel	Combustion Turbine Gas/Oil
Net Dependable Capacity - Summer	85 MW
Net Dependable Capacity - Winter	100 MW
Net Capacity Factor*	3.01
Forced Outage Rate*	13.88
Scheduled Outage Factor*	1.68
Net Heat Rate*	16,209
Net Generation (MWh)	26,383 MWh
Fuel Consumed (1000 tons coal)	
OR	
Fuel Consumed (million cf gas)	425.960
OR	
Fuel Consumed (gallons of fuel oil)	0 gallons

**Note: Summary Statistics from NERC-GADS are not weighted per Month*

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
SOUTH FOND DU LAC	UNIT 2
Technology Type and Primary Fuel	Combustion Turbine Gas/Oil
Net Dependable Capacity - Summer	85 MW
Net Dependable Capacity - Winter	100 MW
Net Capacity Factor*	3.30
Forced Outage Rate*	0.00
Scheduled Outage Factor*	2.87
Net Heat Rate*	16,254
Net Generation (MWh)	28,935 MWh
Fuel Consumed (1000 tons coal)	
OR	
Fuel Consumed (million cf gas)	468.440
OR	
Fuel Consumed (gallons of fuel oil)	0 gallons

**Note: Summary Statistics from NERC-GADS are not weighted per Month*

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
SOUTH FOND DU LAC	UNIT 3
Technology Type and Primary Fuel	Combustion Turbine Gas/Oil
Net Dependable Capacity - Summer	85 MW
Net Dependable Capacity - Winter	100 MW
Net Capacity Factor*	1.29
Forced Outage Rate*	0.00
Scheduled Outage Factor*	0.62
Net Heat Rate*	15,706
Net Generation (MWh)	11,335 MWh
Fuel Consumed (1000 tons coal)	
OR	
Fuel Consumed (million cf gas)	177.330
OR	
Fuel Consumed (gallons of fuel oil)	0 gallons

**Note: Summary Statistics from NERC-GADS are not weighted per Month*

ATTACHMENT 2

Plant / Unit Performance Data	
Date for the period of Jan 1, 2002 through Dec 31, 2002	
SOUTH FOND DU LAC	UNIT 4
Technology Type and Primary Fuel	Combustion Turbine Gas/Oil
Net Dependable Capacity - Summer	85 MW
Net Dependable Capacity - Winter	100 MW
Net Capacity Factor*	0.74
Forced Outage Rate*	2.94
Scheduled Outage Factor*	0.09
Net Heat Rate*	16,629
Net Generation (MWh)	6,441 MWh
Fuel Consumed (1000 tons coal)	
OR	
Fuel Consumed (million cf gas)	106.690
OR	
Fuel Consumed (gallons of fuel oil)	0 gallons

**Note: Summary Statistics from NERC-GADS are not weighted per Month*